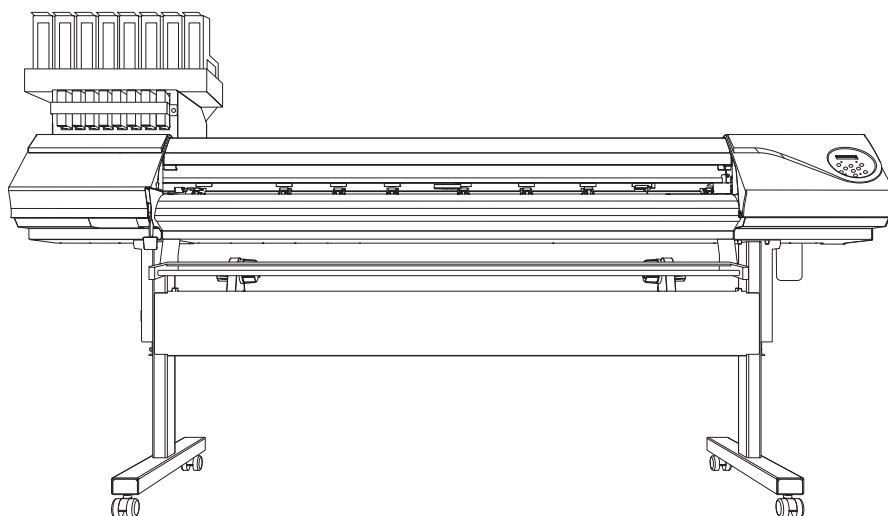


Texart

RT-640

Setup Guide



Thank you very much for purchasing this product.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely and store it in a safe location.
 - Unauthorized copying or transferral, in whole or in part, of this manual is prohibited.
 - The contents of this manual and the specifications of this product are subject to change without notice.
 - This manual and the product have been prepared and tested as much as possible. If you find any misprint or error, please inform us.
 - Roland DG Corp. assumes no responsibility for any direct or indirect loss or damage which may occur through use of this product, regardless of any failure to perform on the part of this product.
 - Roland DG Corp. assumes no responsibility for any direct or indirect loss or damage which may occur with respect to any article made using this product.
-

Roland DG Corporation

Contents

Contents	1
1. Installation Environment	3
Deciding on an Installation Site	3
Temperature and Humidity	4
Installation Space	4
2. Included Items	5
3. About the Symbols	7
4. Assembling and Installing	8
Assembling and Installing	8
5. Filling with Ink	20
Filling with Ink for the First Time	20
6. Network Settings	36
Step 1: Make the Network Settings for the Computer	36
Step 2: Make the Network Settings on the Machine	38
Step 3: Make the Port Settings for the Software RIP	39

Company names and product names are trademarks or registered trademarks of their respective holders.

1. Installation Environment

Deciding on an Installation Site

Install in a quiet, stable location offering good operating conditions. An unsuitable location can cause accident, fire, faulty operation, or breakdown.

WARNING

Install the machine in a location that is level, stable, and able to bear the weight of the machine.

The total weight may reach over 241 kg (518 lbs). Installation in an unsuitable location may cause a major accident, including tip over, fall, or collapse.

WARNING

Never install out of doors or in any location where exposure to water or high humidity may occur.

Current leakage may cause electrical shock, electrocution, or combustion and fire.

WARNING

Never install close to any flammable object or in a gas-filled location.

Combustion or explosion may be a danger.

WARNING

Install in a clean, brightly lit location.

Conduct operations in a clean, brightly lit location. Working in a location that is dark or cluttered may lead to an accident, such as becoming caught in the machine as the result of an inadvertent stumble.

WARNING

Position so that the power plug is within immediate reach at all times.

This is to enable quick disconnection of the power plug in the event of an emergency. Install the machine next to an electrical outlet. Also, provide enough empty space to allow immediate access to the electrical outlet.

CAUTION

Ensure adequate ventilation for the work area.

Failing to perform ventilation may result in a health hazard or danger of combustion due to ink fumes.

Unsuitable Installation Sites

- Locations subject to large fluctuations in temperature or humidity
- Locations subject to shaking or vibration
- Locations where the floor is tilted, not level, or unstable
- Dusty locations
- Locations exposed to direct sunlight
- Locations exposed to direct near air-conditioning or heating equipment
- Locations exposed to water or moving air
- Locations exposed to considerable electrical or magnetic noise, or other forms of electro-magnetic energy

Temperature and Humidity

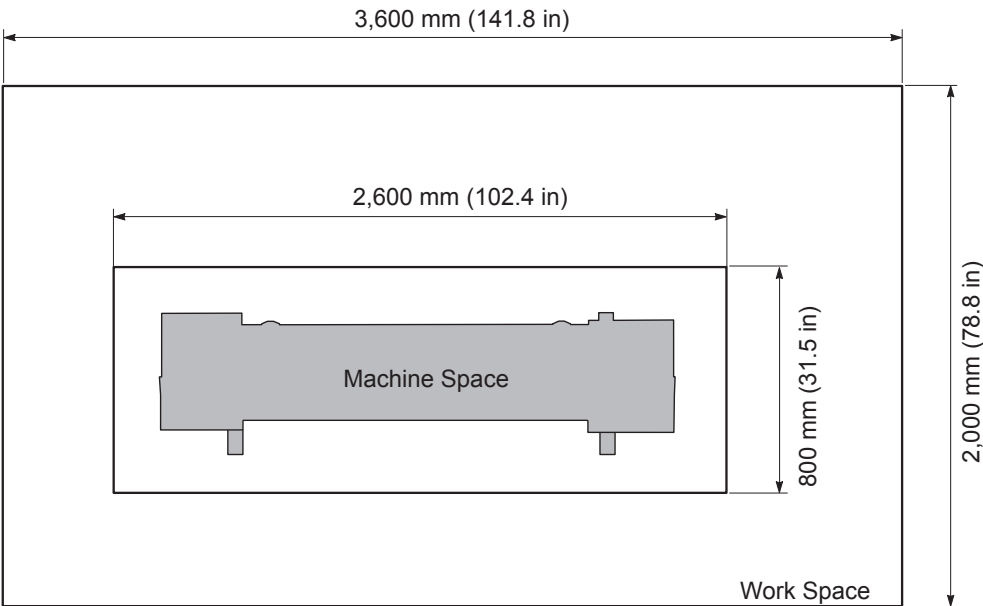
Maintain the specified temperature and humidity even when the machine is not in use. If temperatures are too high or too low, it may cause malfunction.

During operation: Temperature 18 to 25°C (64.4 to 77 °F), relative humidity 35 to 65 % RH (no condensation)

During non-operation: Temperature 15 to 30°C (59 to 86 °F), relative humidity 20 to 80% (no condensation)

Installation Space

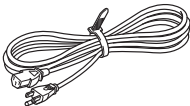
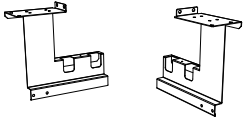
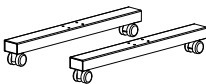
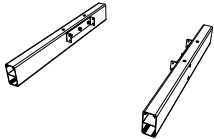
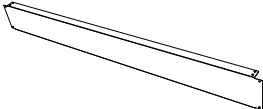
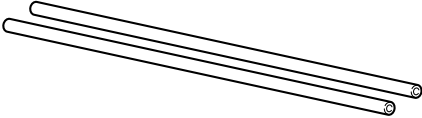
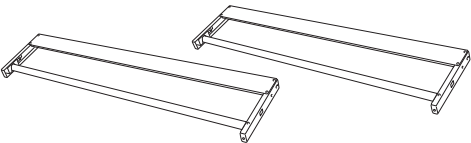
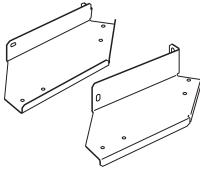
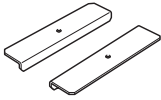


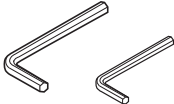

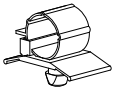
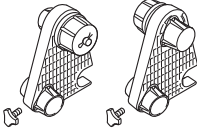
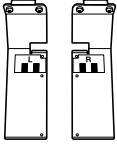

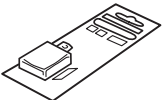
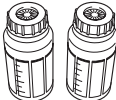
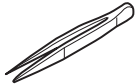
The space shown in the figure is required in order to use this machine.



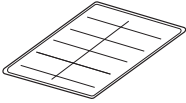

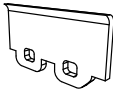

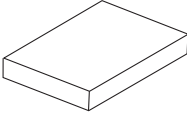
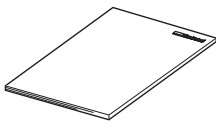
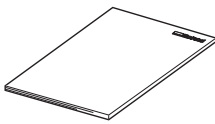
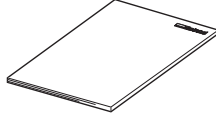
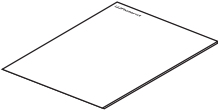
2. Included Items

The following items are packed together with the machine. Make sure they are all present and accounted for.

Printer unit

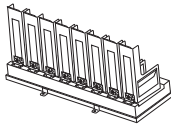
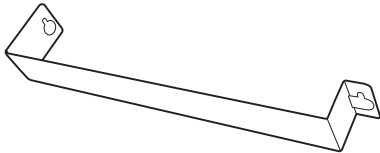
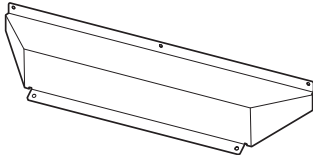
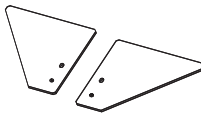
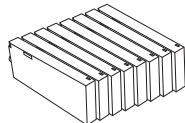

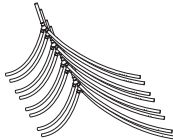
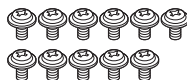
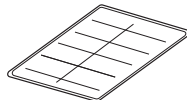
			
Power cord (1)	Arms (one for right and left each)	Casters (2)	Stand legs (one for right and left each)
			
Stand stay (1)	Shafts (2)		
			
Feed adjusters (2)	Feed adjuster stays (2)		
			
Shaft clamps (2)	Bolts (long) (38)	Bolts (short) (8)	Hexagonal wrench (1 large, 1 small)
			
Pipe (1)	Cable clamp (1)	Media holders / Media holder retaining screws (one for right and left each)	Media clamps* (one for right and left each)
			
Cleaning sticks	Replacement blades for separating knife (1)	Drain bottles (2)	Tweezers (1)

2. Included Items

			
Ink color labels (1)	Tube caps (for 8 colors)*	Replacement wiper (1)	Replacement felt wiper (1)
			
Software RIP (1)	User's Manual (1)	Setup Guide (This document) (1)	Read this first (1)
			
INKJET PRINTER MAIN- TENANCE GUIDE (1)			




* Not required when using four colors (cyan, magenta, yellow, and black).

Roland Ink System

			
Ink pouch holder (1)	Subtank guard (1)		
			
Ink tube cover (top) (1)	Ink tube covers (bottom) (one for right and left each)	Subtank cartridges (8)	
			
Square bushes (4)	Y-shaped tubes (8)	Screws (11)	Ink color labels (1)

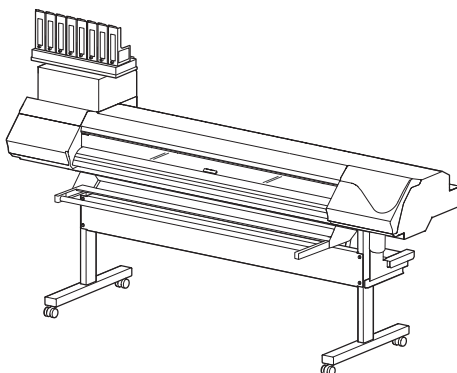
3. About the Symbols

The meanings of the symbols used in this document are as follows.

	The symbol indicates things that must be followed in relation to operation. Always follow these instructions to prevent accident or damage due to misoperation.
	The symbol indicates things that must be checked visually in relation to operation. Always perform a visual check to prevent accident or damage due to failure to check.
	The symbol indicates "additional information".

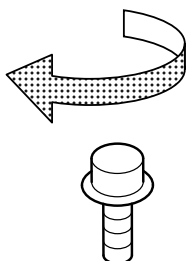
4. Assembling and Installing

Completed drawing

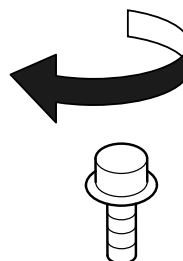


About the picture

Tighten temporary



Tighten fully



Assembling and Installing

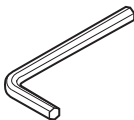

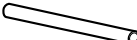

⚠ WARNING

Perform this task with all power switches left switched off.
Otherwise sudden movement of the machine may cause injury.

⚠ CAUTION

Unpacking and installation must be carried out by six or more personnel.
Otherwise the machine or the stand may fall, resulting in injury.

Necessary tools

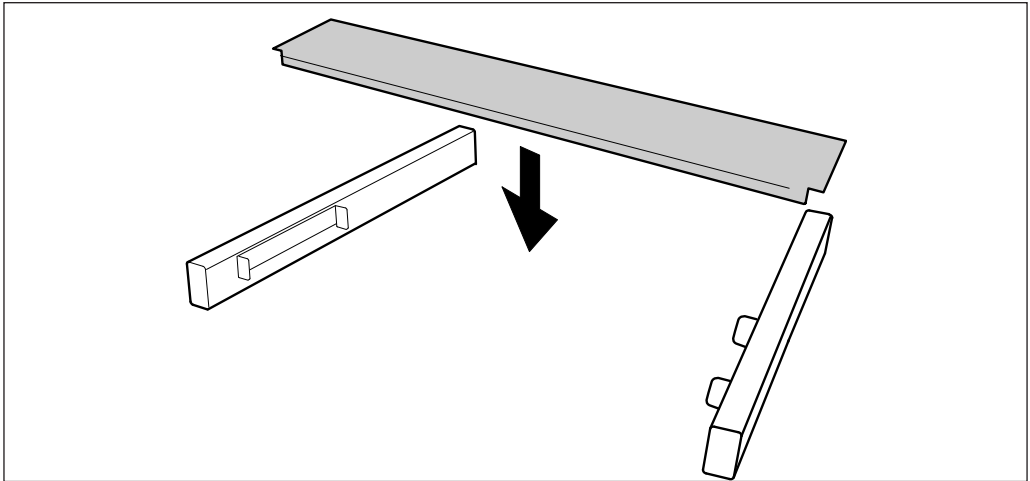
Included items			Commercial item
			
Hexagonal Wrench (large)	Hexagonal Wrench (small)	Pipe (Use this pipe if the hexagonal wrench is too short to tighten the bolt)	Phillips screwdriver



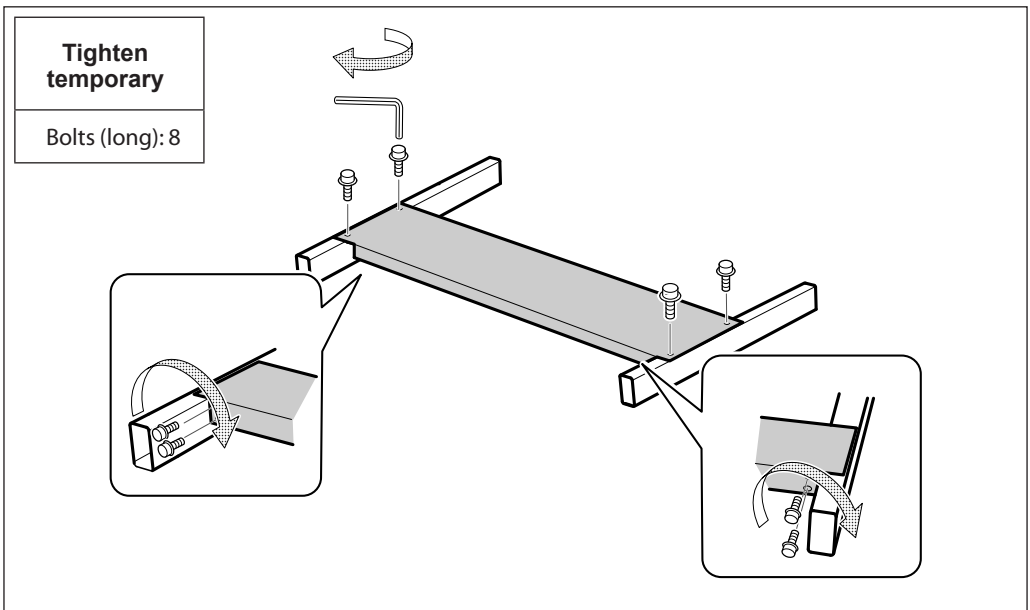
When tightening the bolts fully, tighten them securely. Loose bolts may cause the stand to wobble.

1. Assemble the stand.

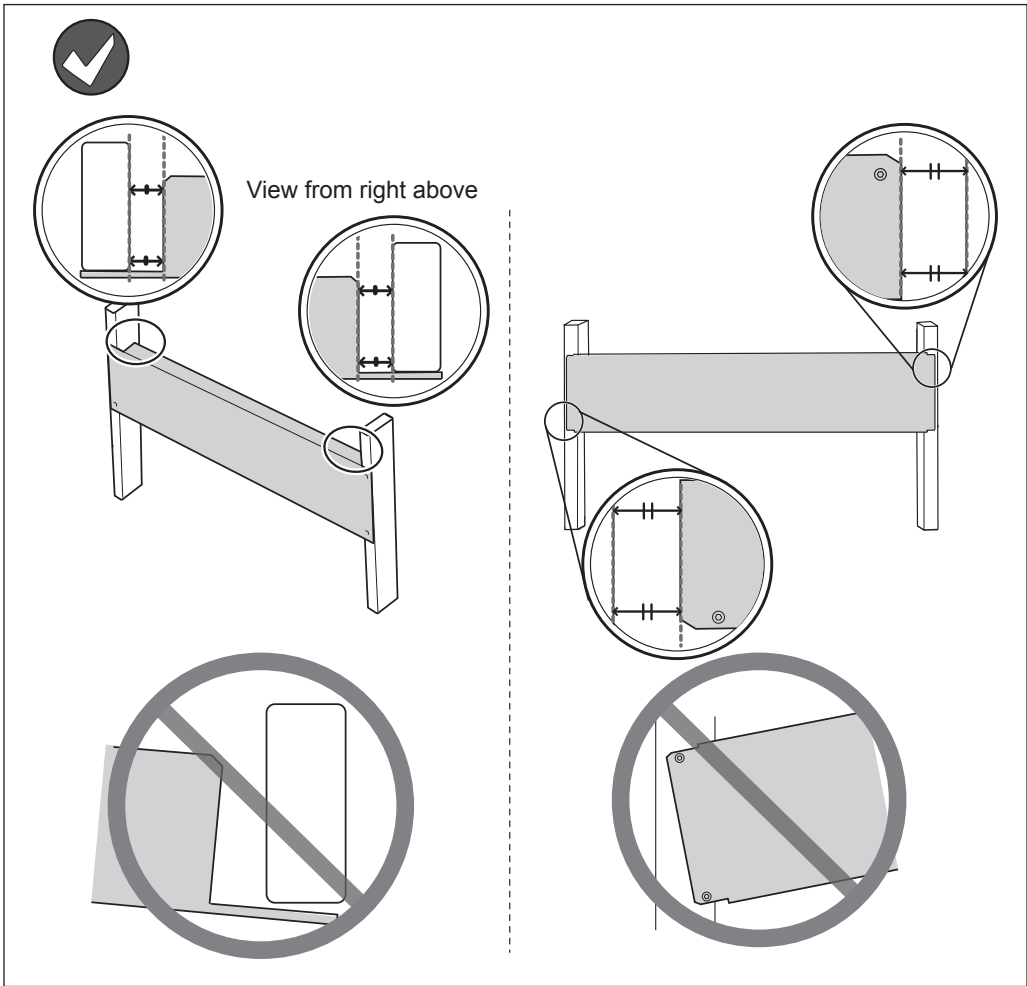
1



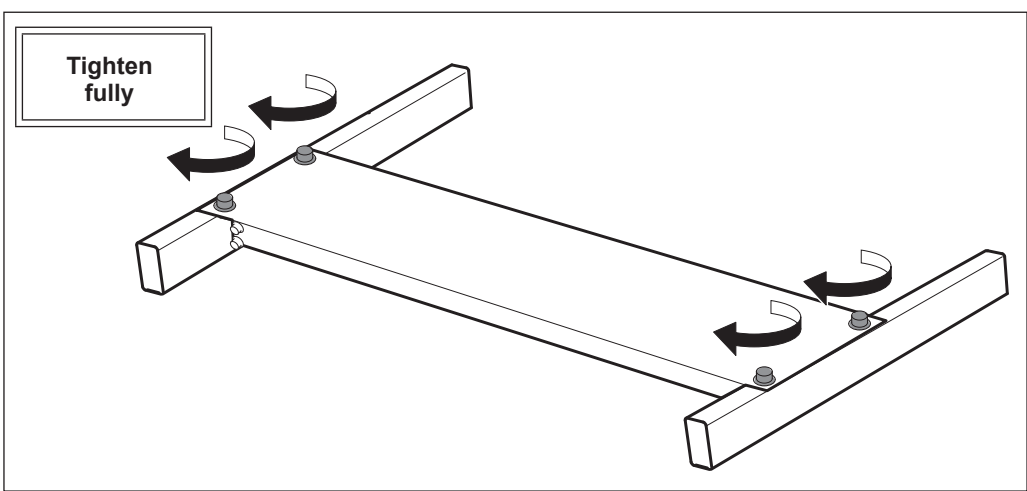
2



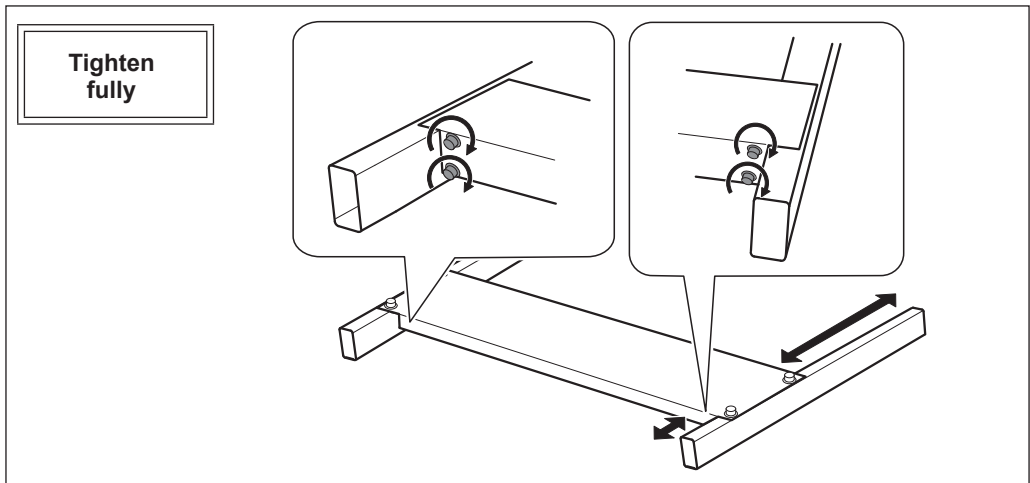
3



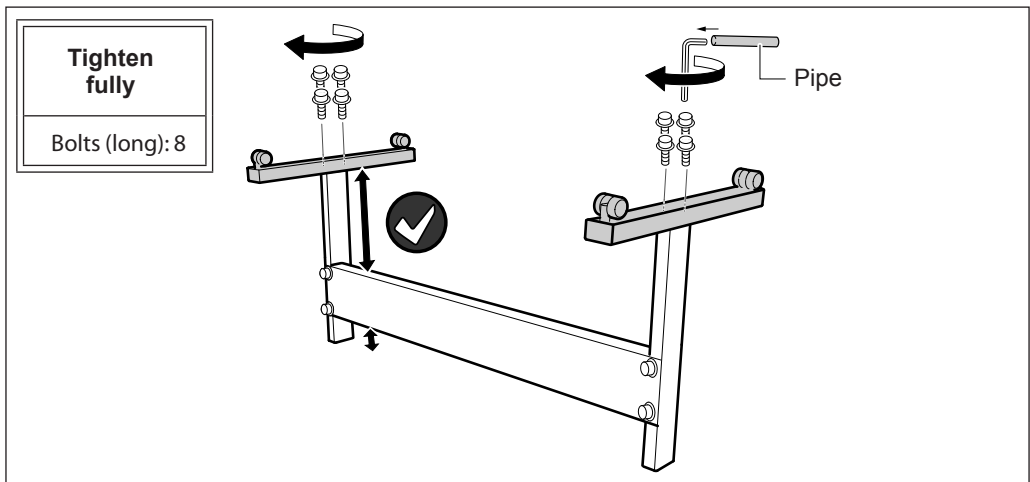
4



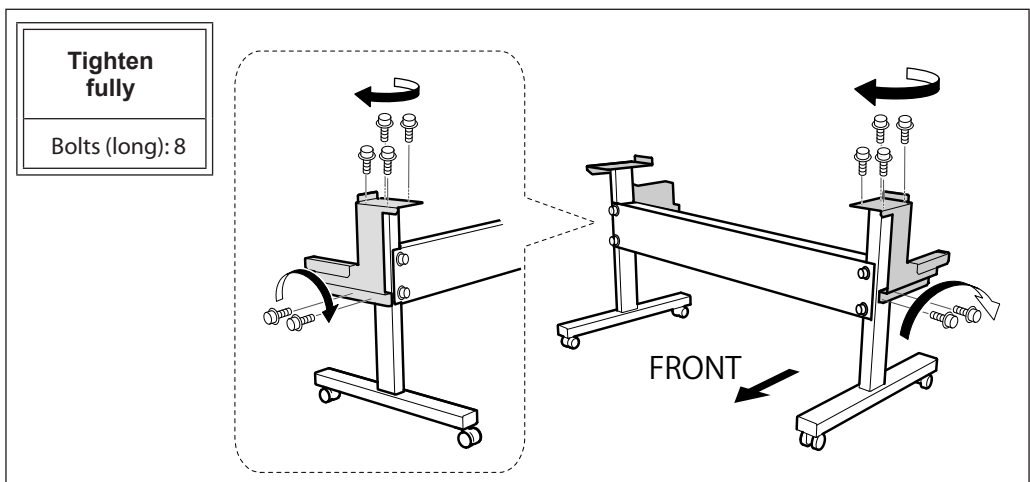
5



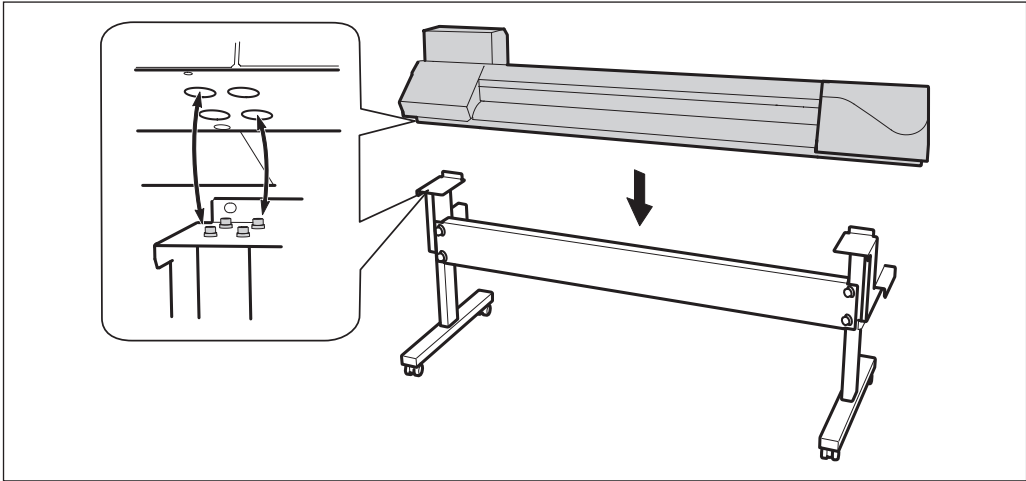
6



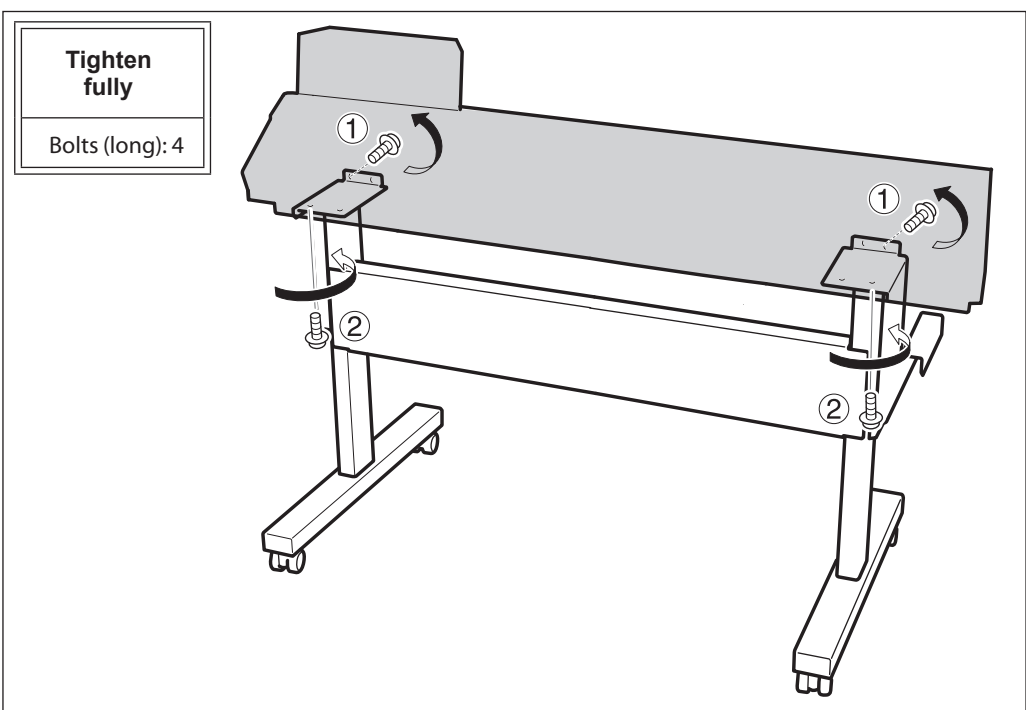
7



8

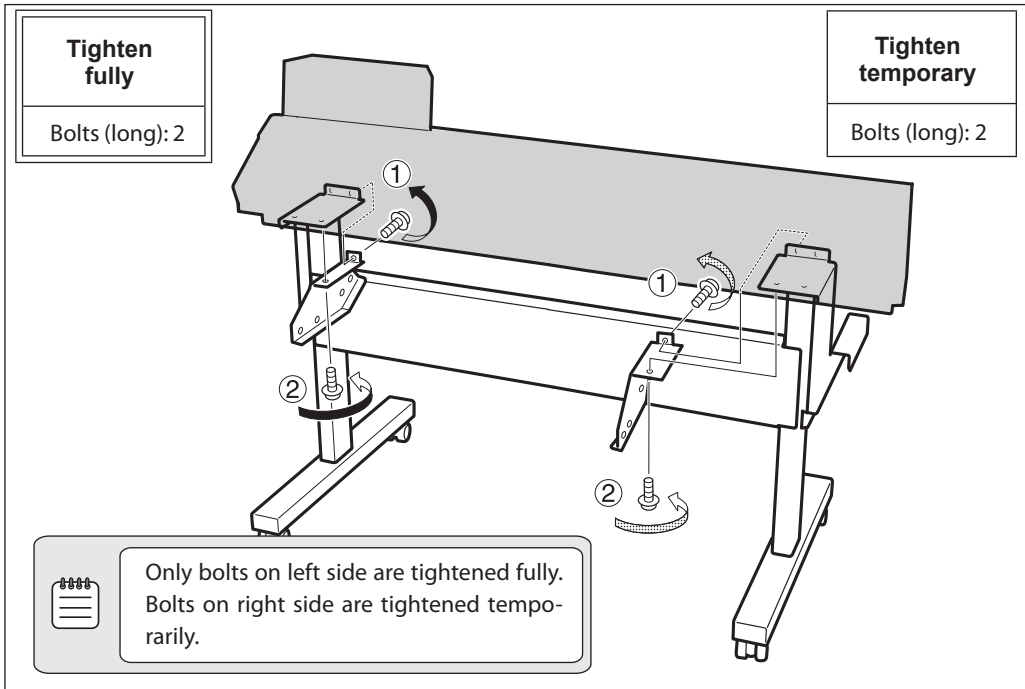


9

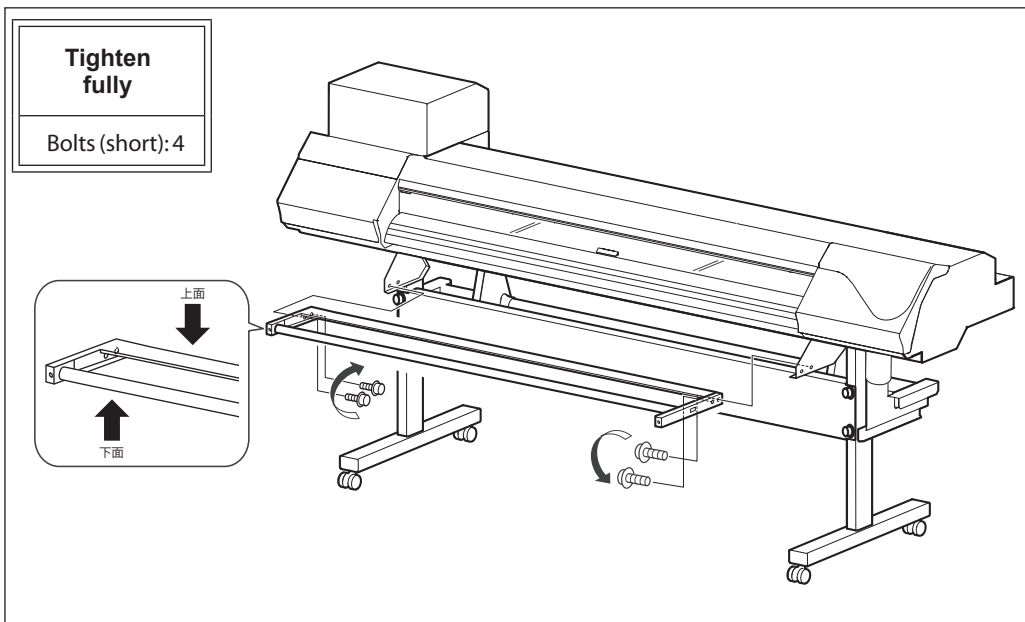


2. Installing the feed adjusters.

1

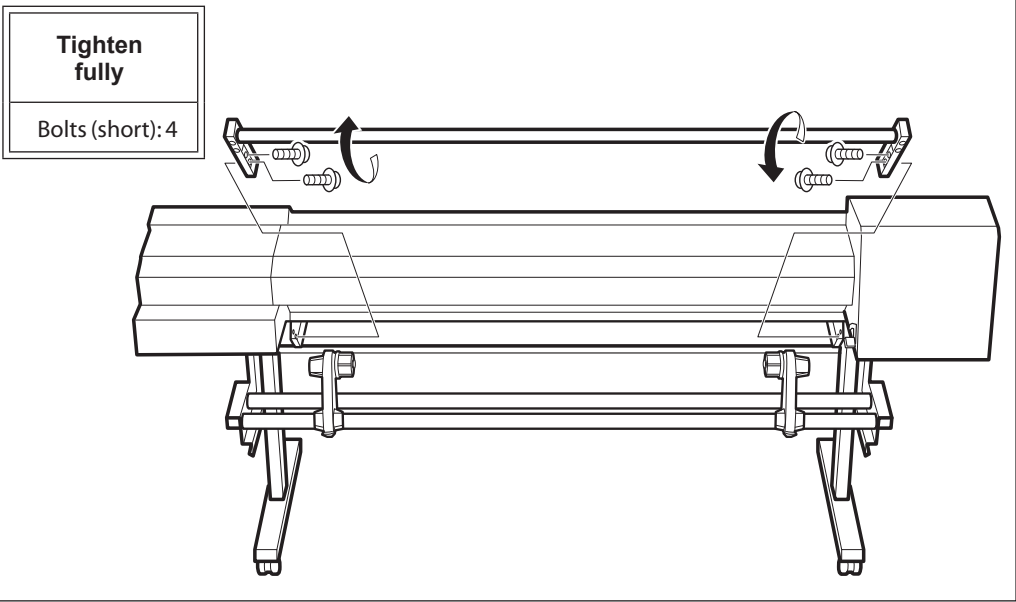


2

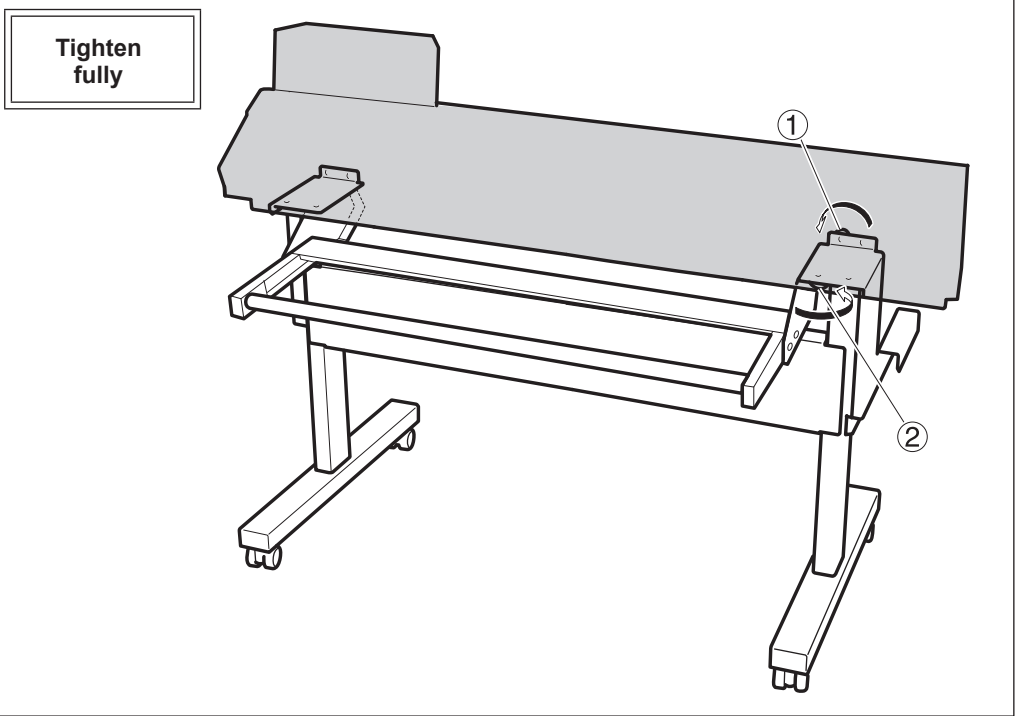


As feed adjusters do not have a back or a front, they may be installed in either direction. However they do have a top and a bottom, so take care to install them with the correct orientation.

3

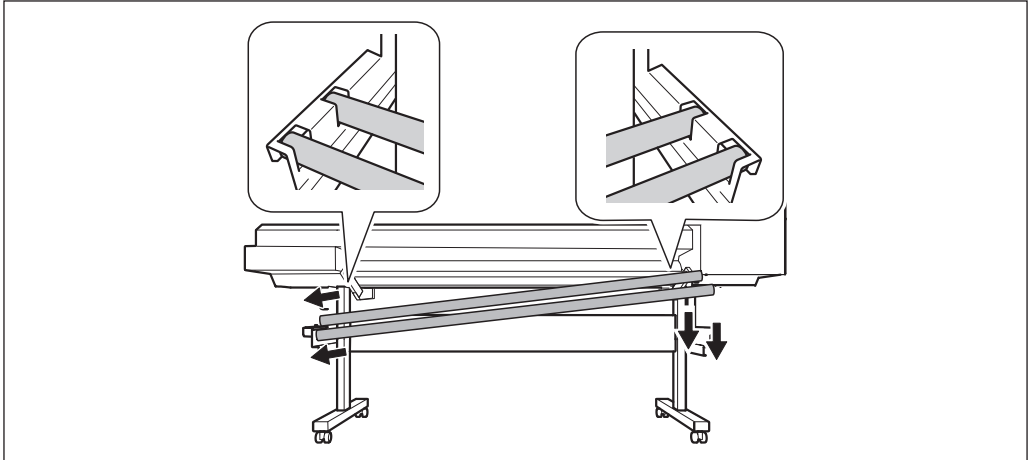


4

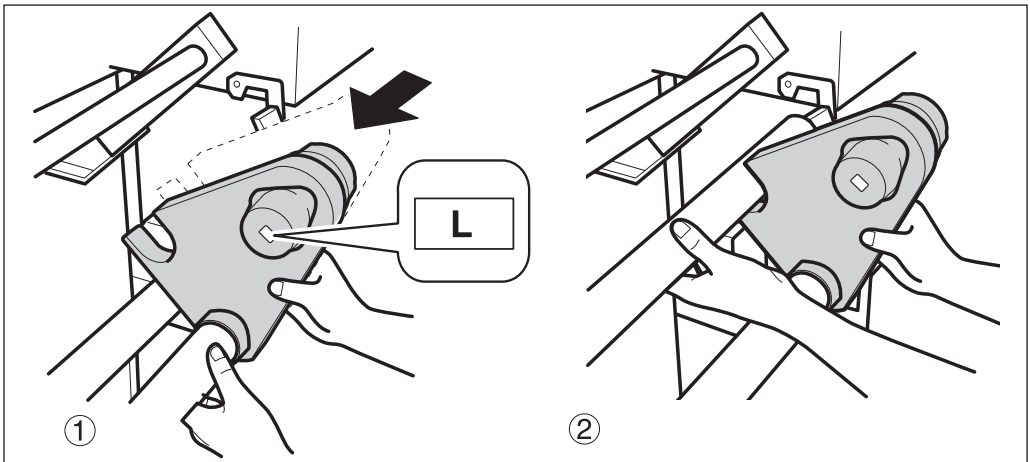


3. Install the media holder.

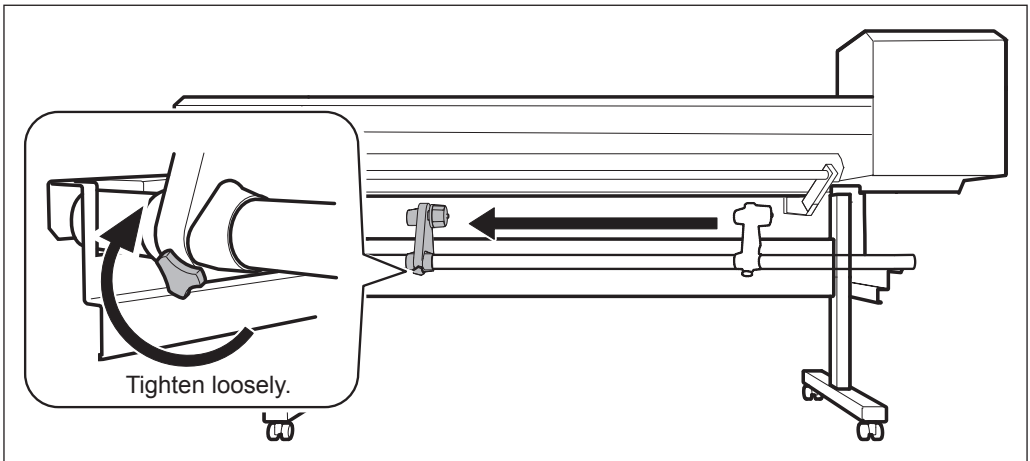
1

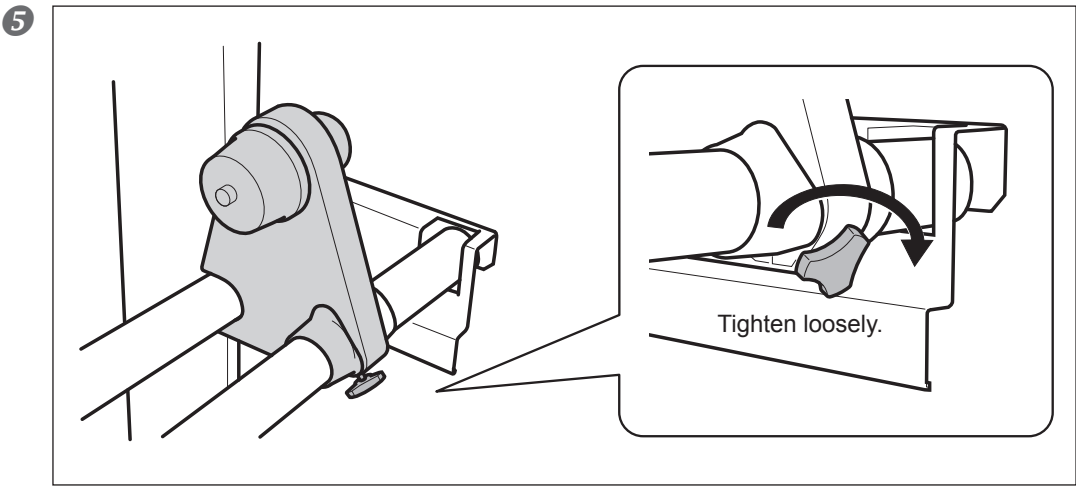
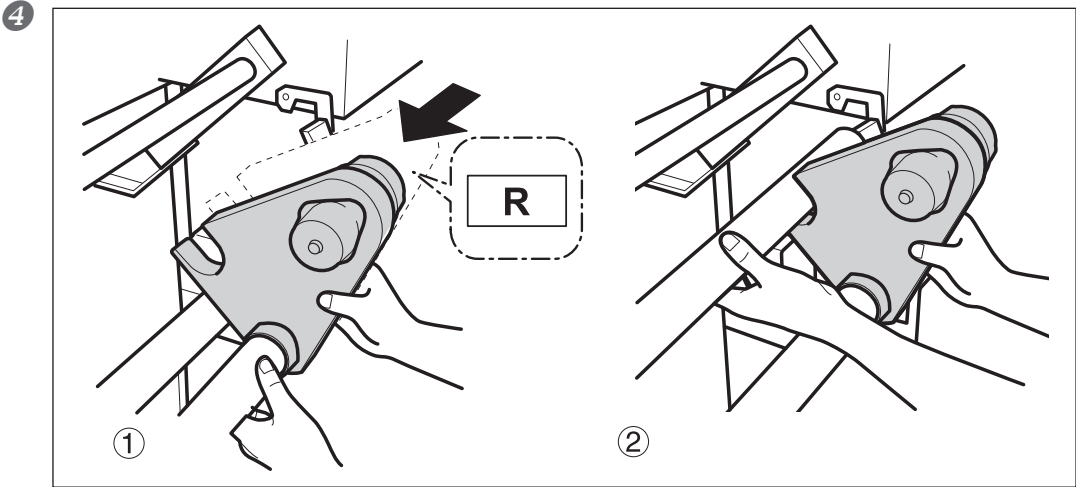


2



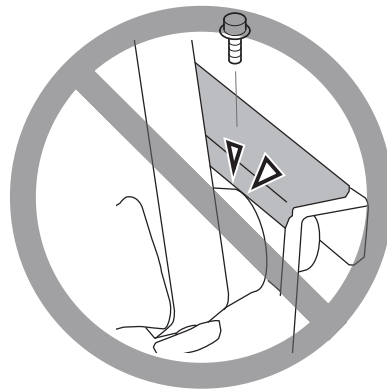
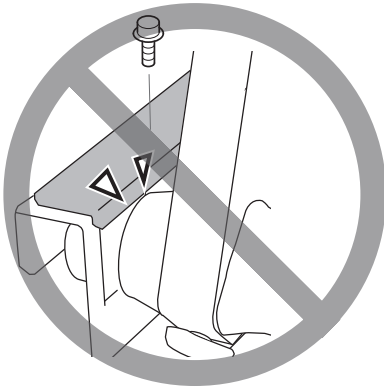
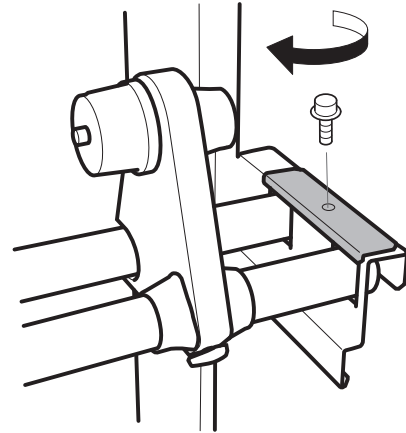
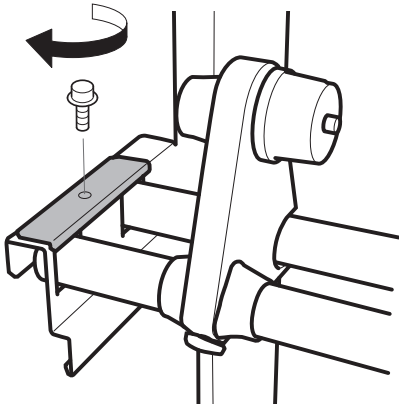
3





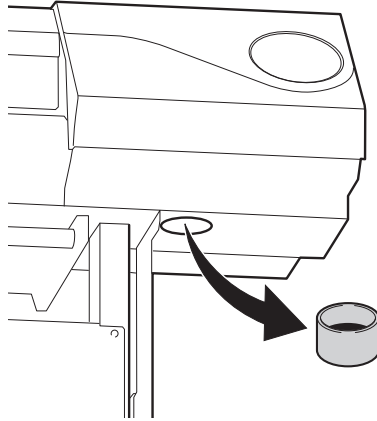
6

**Tighten
fully**



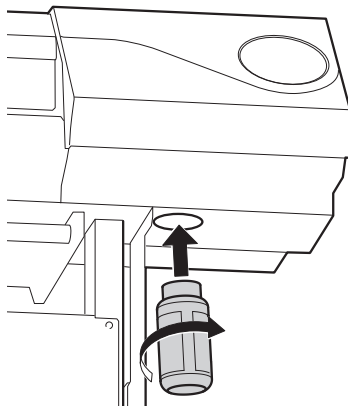
4. Install the drain bottle.

1



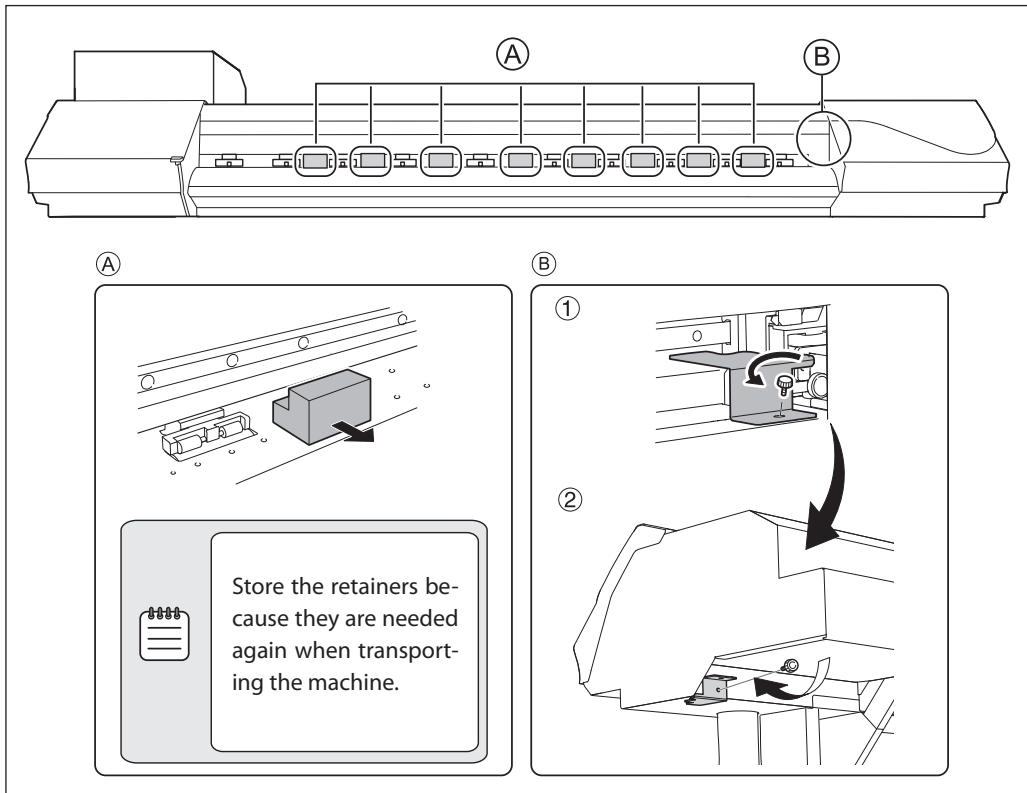
Be careful as the fluid used in the inspection may still remain when removing it.

2



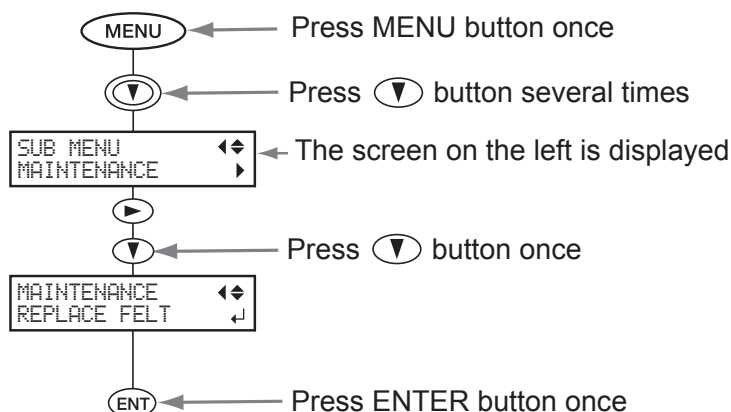
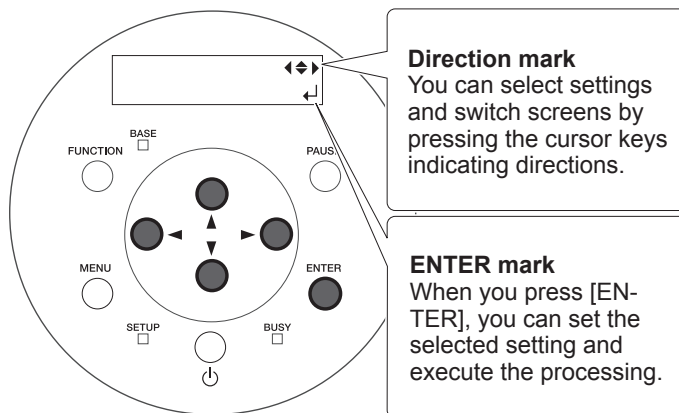
Turn the bottle without applying excessive force. Remove it only when you are disposing of collected ink.

5. Remove the retainers.

1

5. Filling with Ink

About the picture



Filling with Ink for the First Time

About this procedure

This procedure must be performed by a suitably qualified service technician. Never attempt to perform this procedure yourself.



CAUTION

Leave this work to a suitably qualified worker.

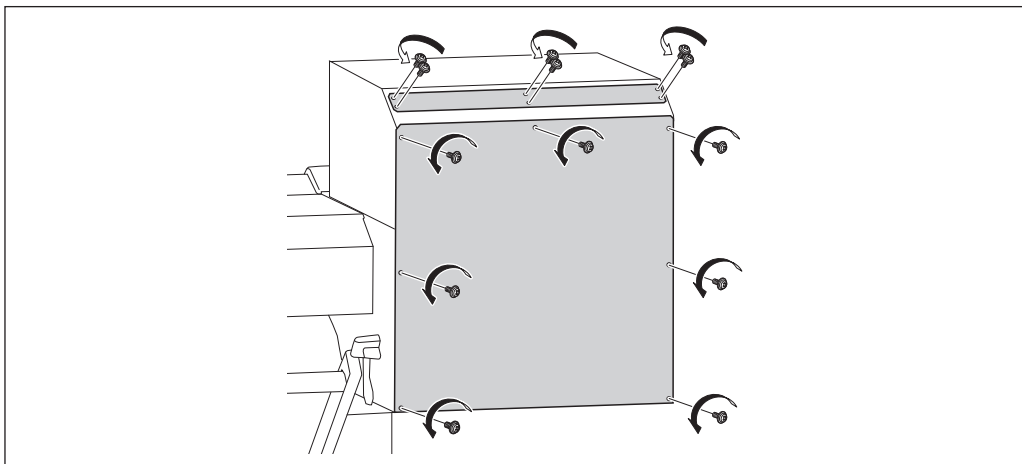
This procedure includes work near sources of electrical danger and complex assembly work. Incorrect work may result in injury and mechanical malfunction.

Items used in this procedure

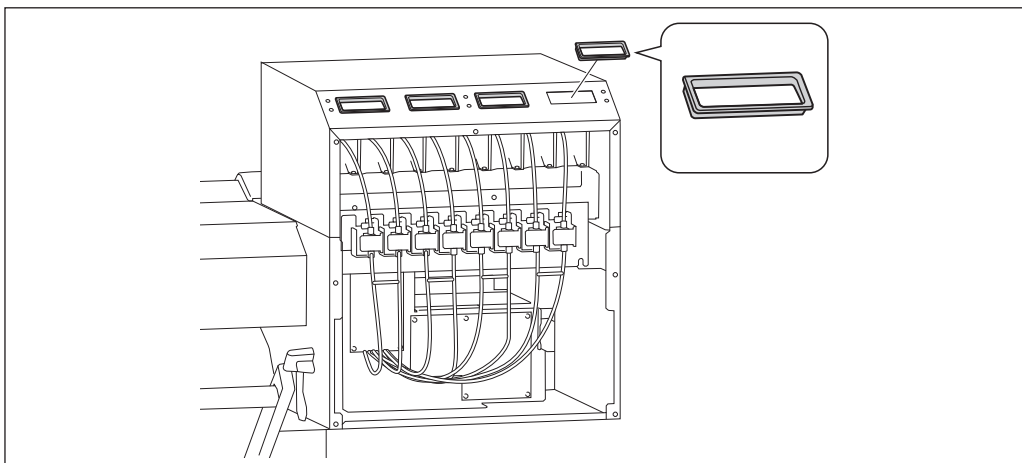
Roland Ink System	1 set
Printer unit accessories	Tube caps
	Cleaning stick
Items supplied by service technician	Cleaning liquid, gloves (anti-slip), spare tubes, other general tools

1. Install the ink pouch holder.

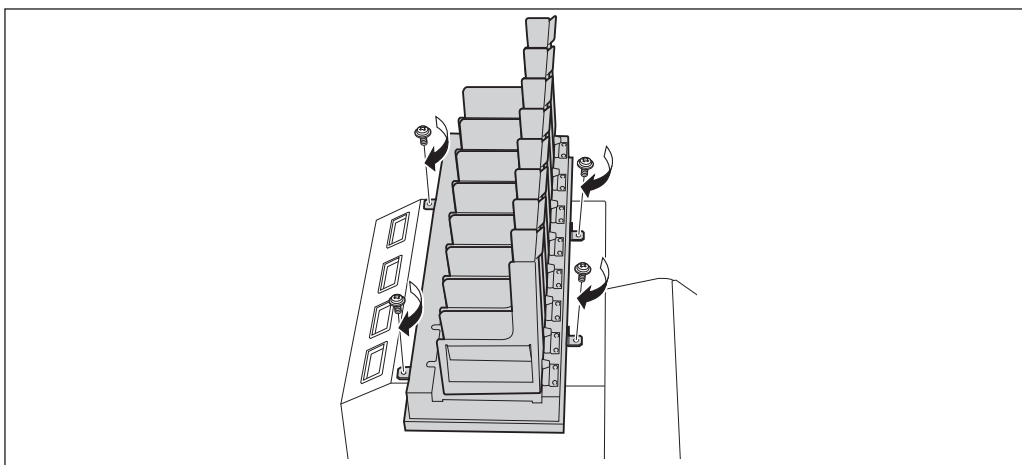
1



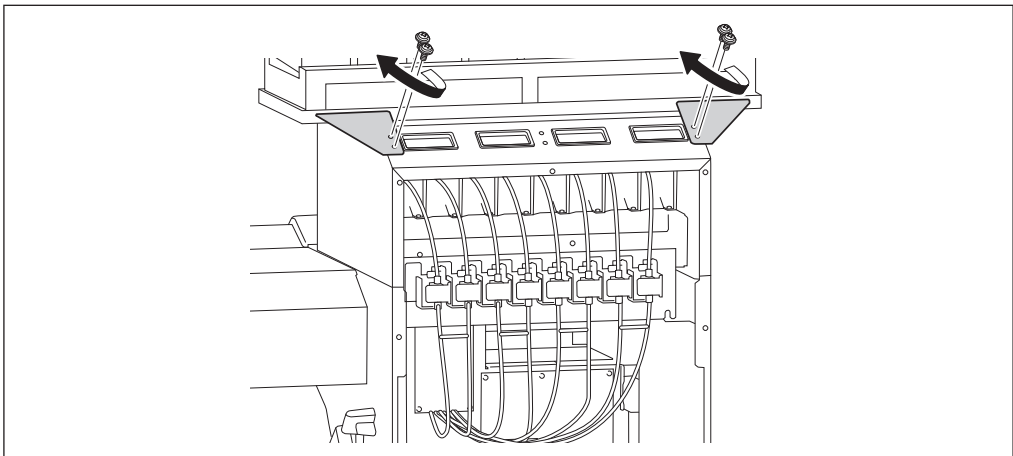
2



3

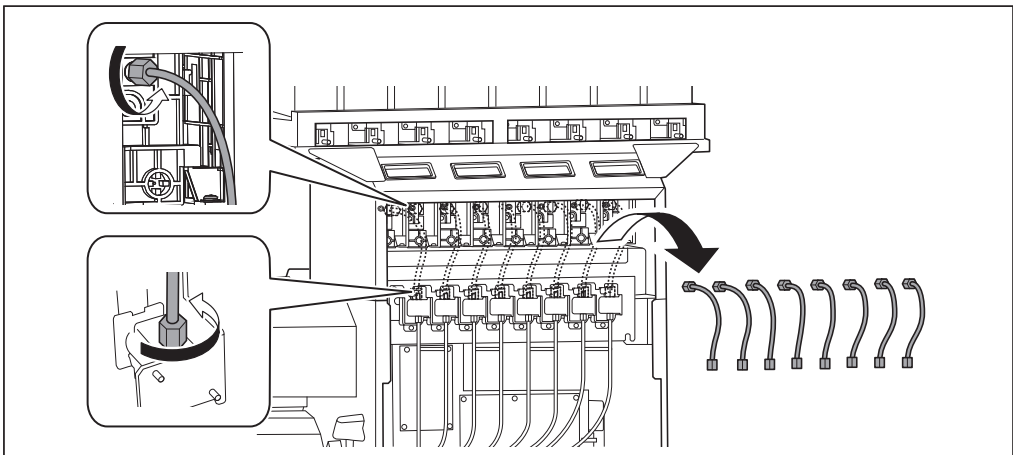


4

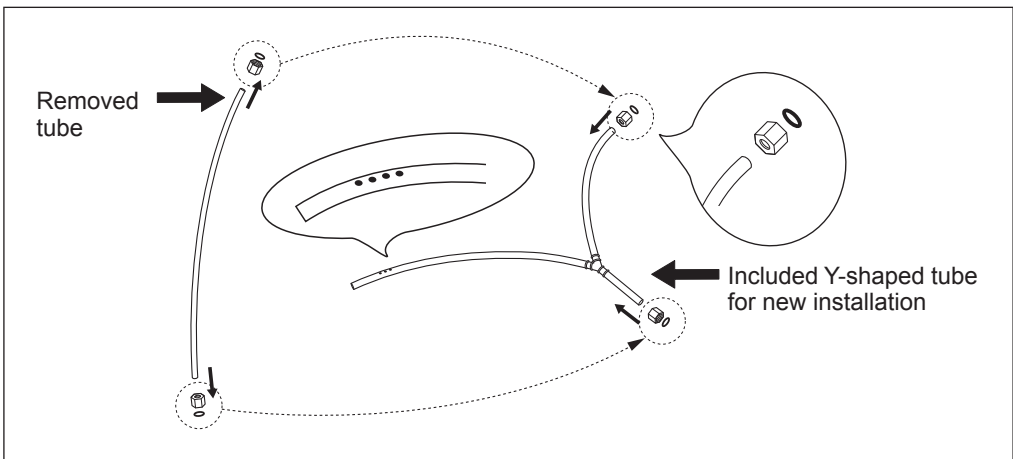


2. Replace tubes.

1



2

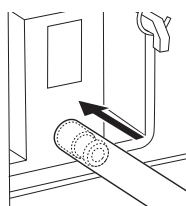
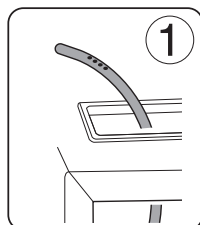
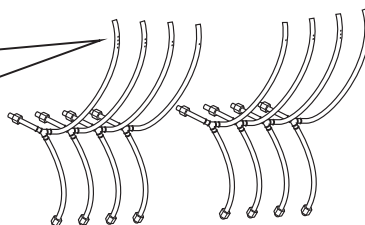


- 3 ① First insert the dotted tube through the square bush.
 ② ③ ④ Install the tubes from below in order.

IMPORTANT!

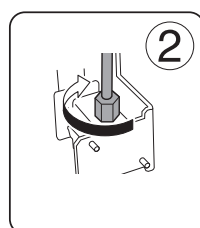
- Take care to ensure that the tube does not break.
- If a tube breaks, do not use it. Use a spare supplied by the service technician.

Ensure that the dotted end of the tube is at the top. Install tubes with more dots towards the outside and tubes with fewer dots towards the inside.

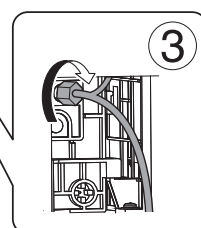


4

- Always use gloves (anti-slip).
- Hold the tube around 10 mm from the end and insert it straight in so that it does not break.



2

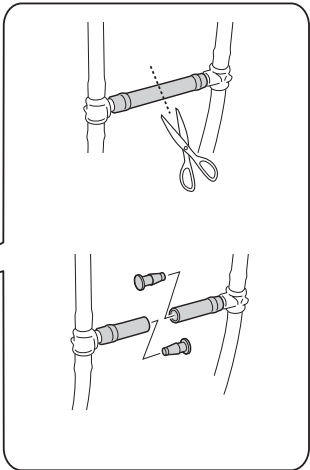
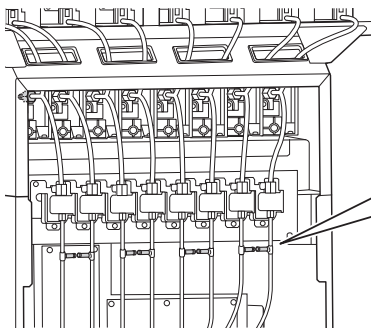


3

4



This procedure is required when using eight colors (cyan, magenta, yellow, black, light cyan, light magenta, orange, and violet). It is not required when using four colors (cyan, magenta, yellow, and black).



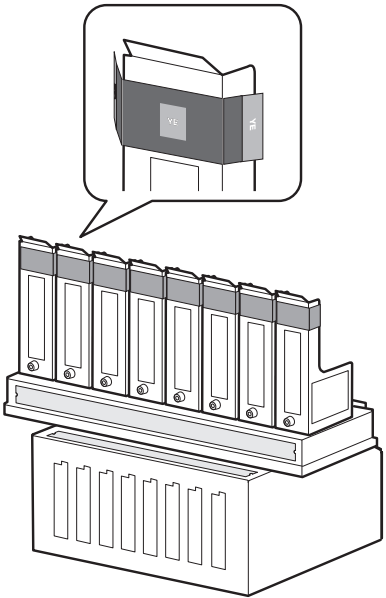
Order of ink color labels

When using four colors

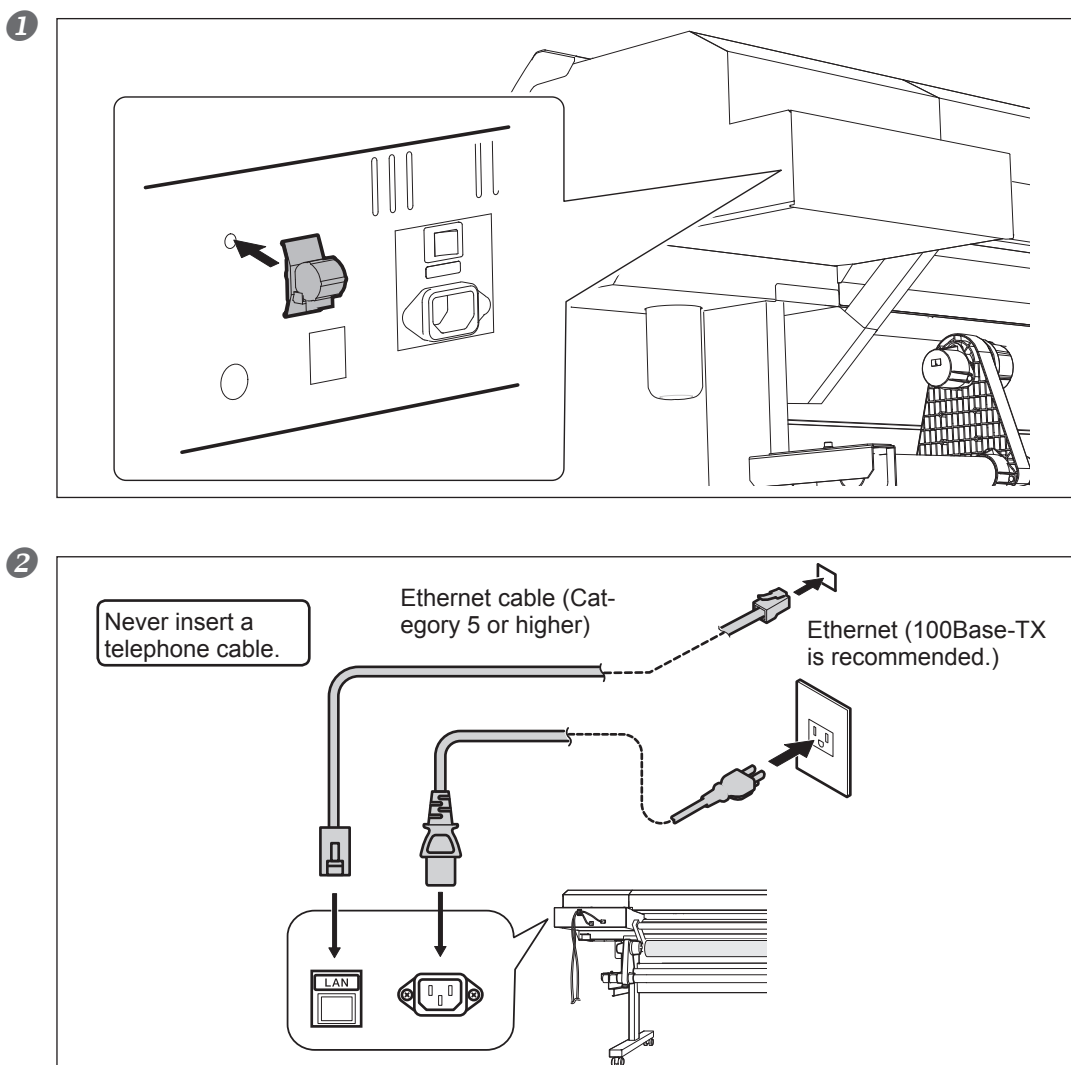
YE	YE	CY	CY	BK	BK	MG	MG
----	----	----	----	----	----	----	----

When using eight colors

LC	CY	LM	MG	YE	BK	OR	VI
----	----	----	----	----	----	----	----



3. Switch on the power switch and make the initial settings.



⚠ WARNING

Connect to electrical outlet that complies with this machine's ratings (for voltage, frequency, and current).

Incorrect voltage or insufficient current may cause fire or electrical shock.

⚠ WARNING

Connect to ground.

This can prevent fire or electrical shock due to current leakage in the event of malfunction.

⚠ WARNING

Perform this task with all power switches left switched off.

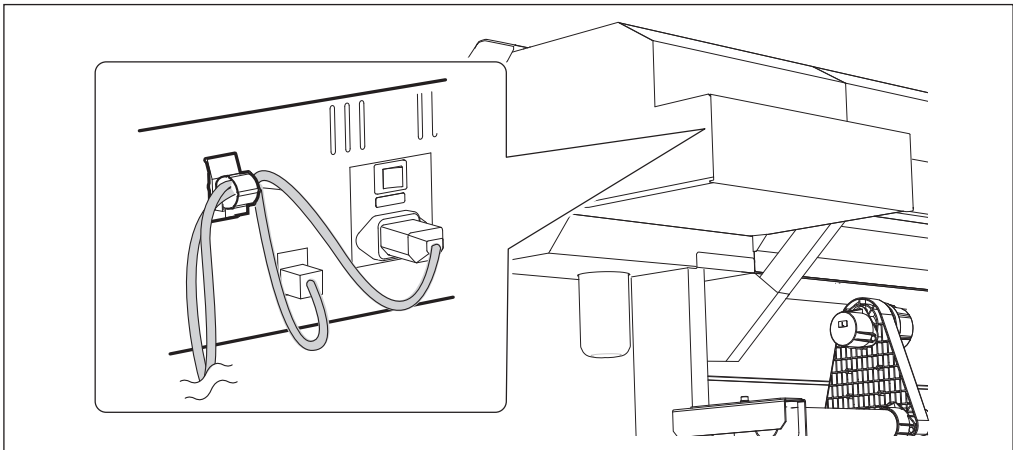
Otherwise sudden movement of the machine may cause injury.

⚠ CAUTION

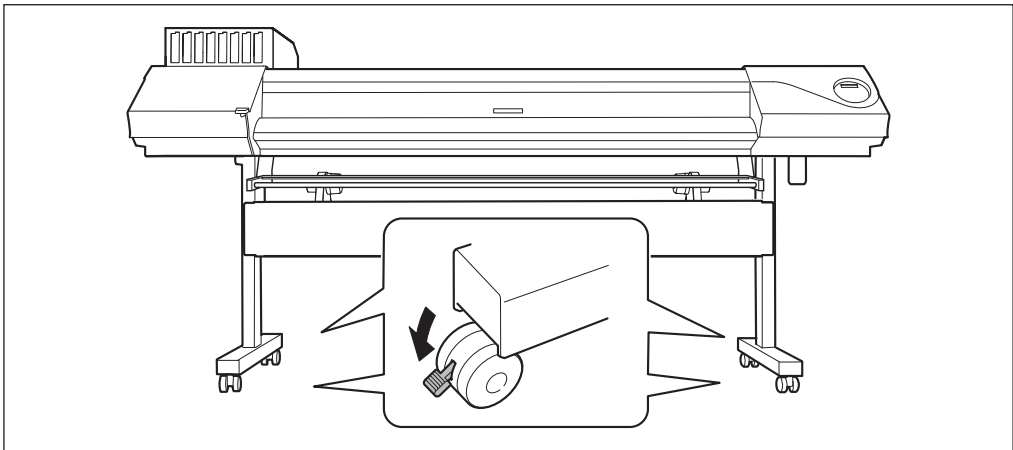
Never insert your hand or fingers into the opening of the front cover.

The print head carriage moves at high speed inside the cover. Hitting may cause injury.

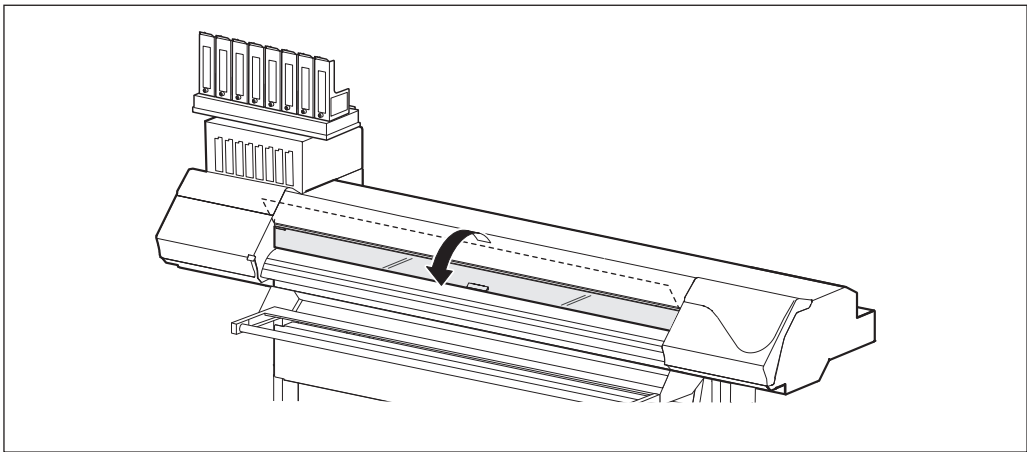
3



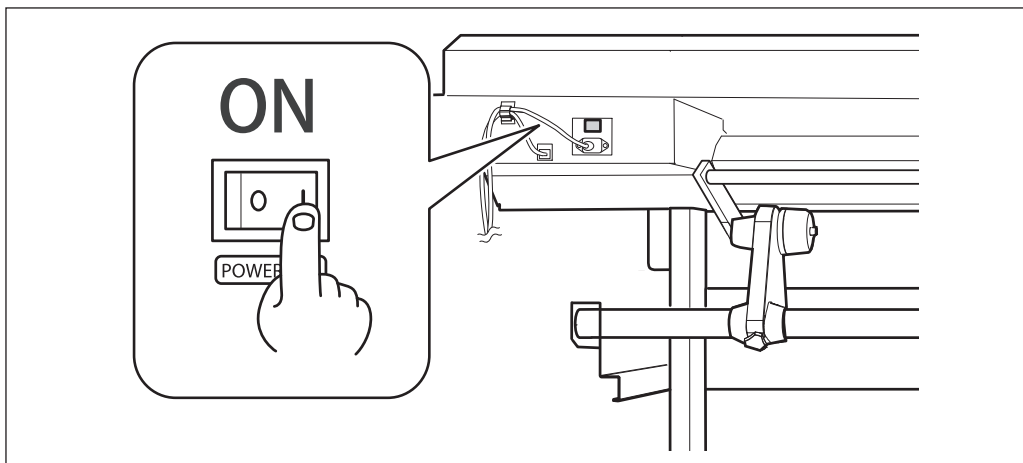
4



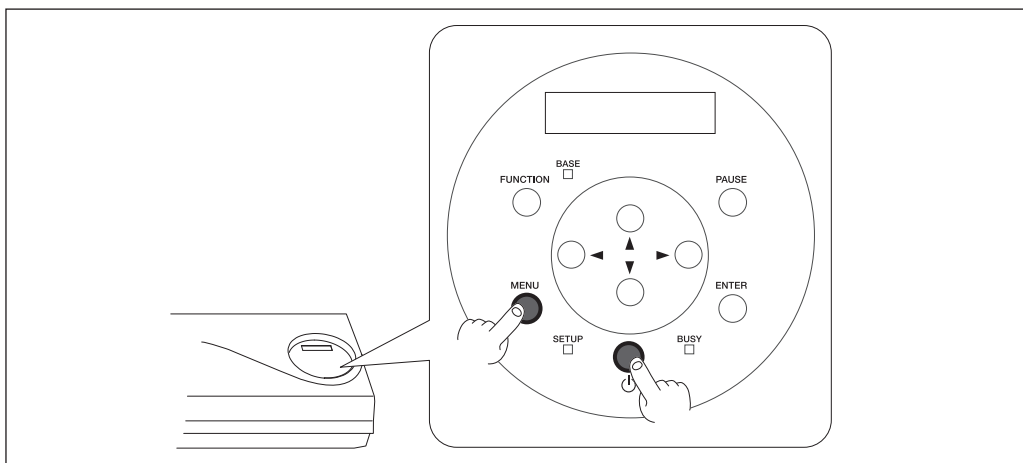
5



6

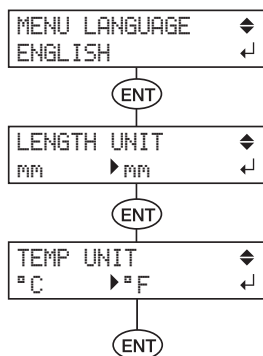


7



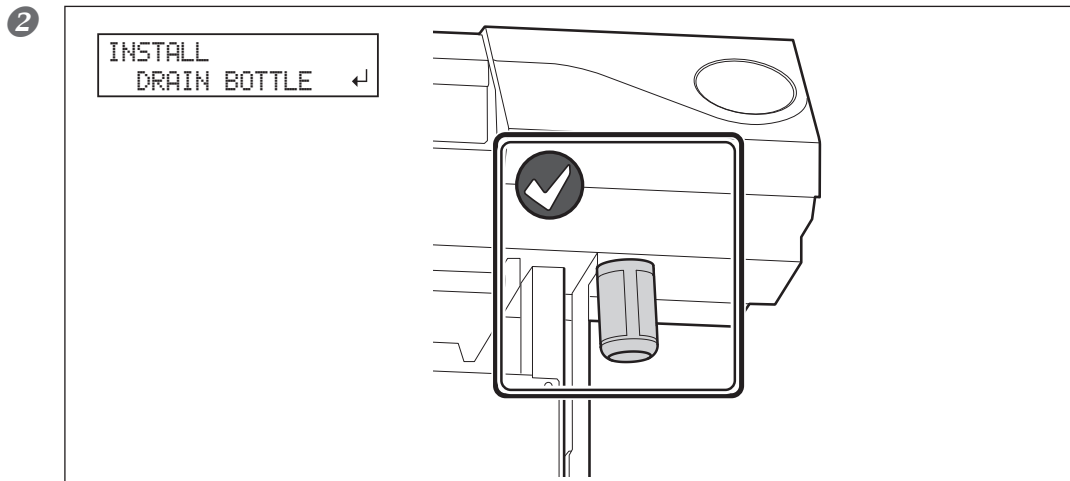
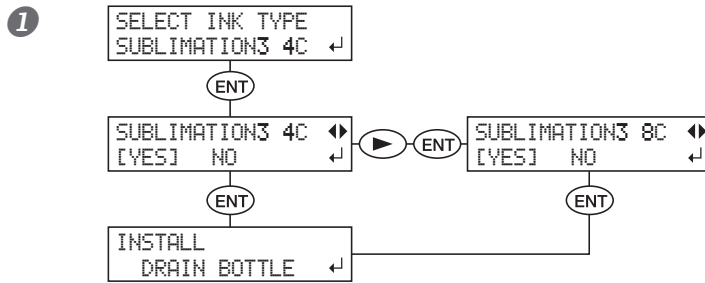
Hold down **MENU** and press the sub power switch.

8



Select the language and the unit of measurement (Length, Temperature) you want.

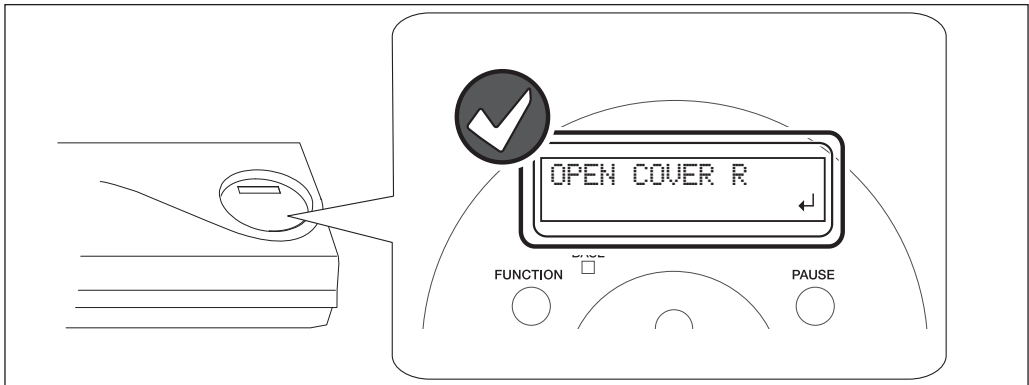
4. Select the ink type.



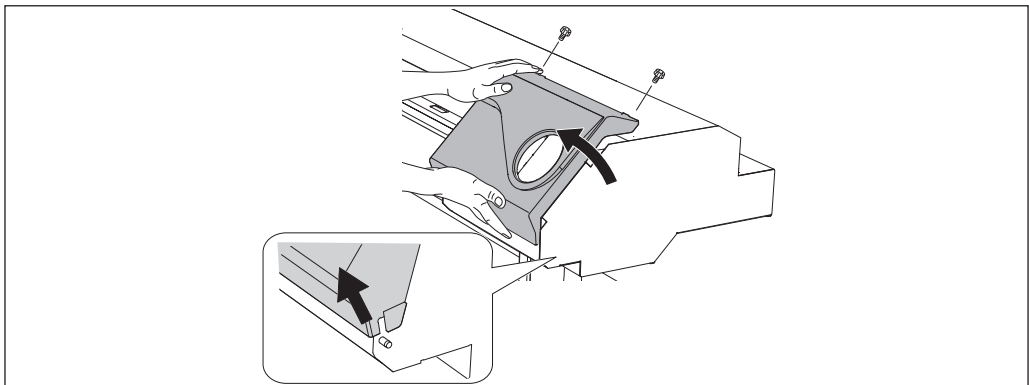
3 Press **ENTER**.

5. Apply the Cleaning Liquid.

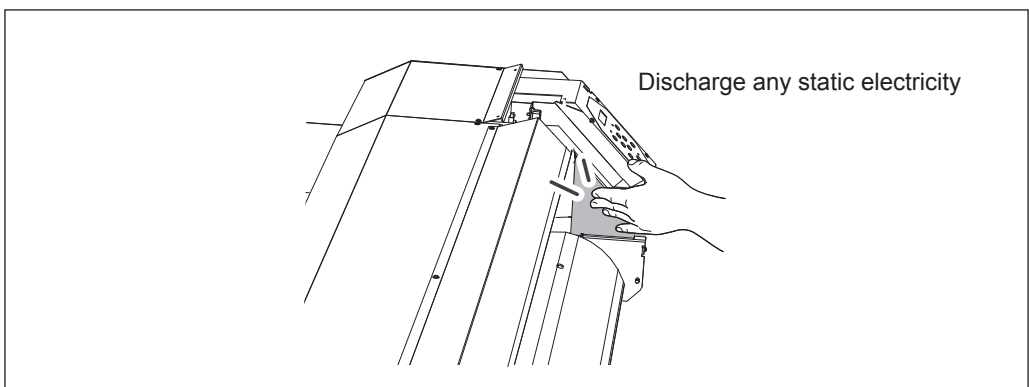
1



2

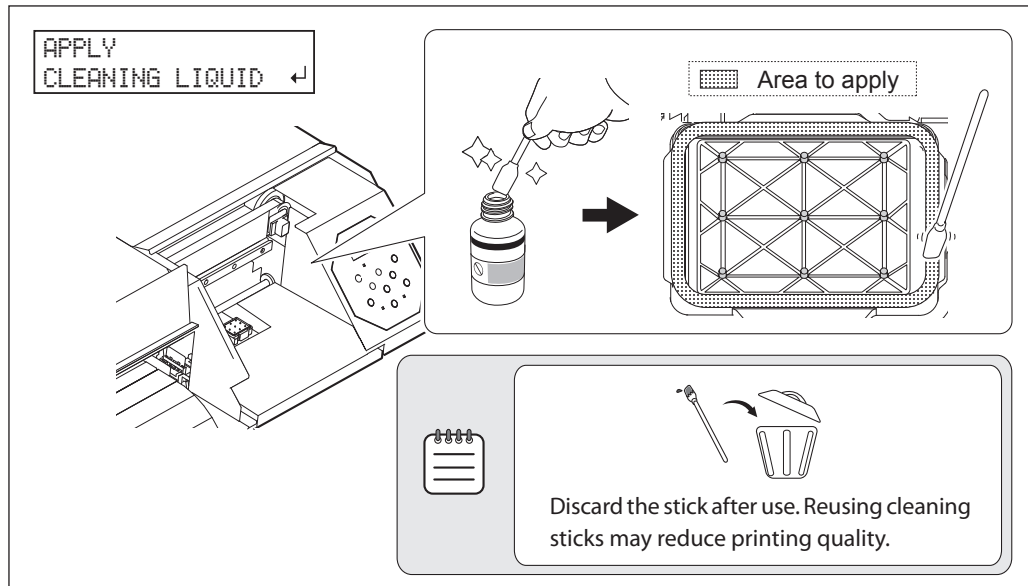


3



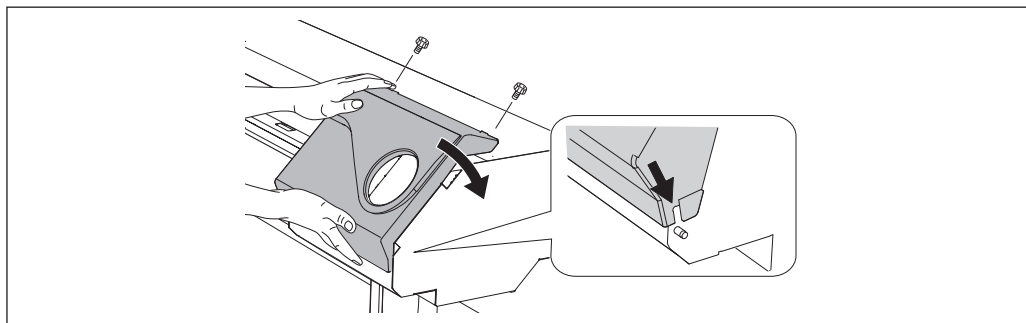
5. Filling with Ink

4



* Cleaning liquid will be supplied by the service technician during installation.

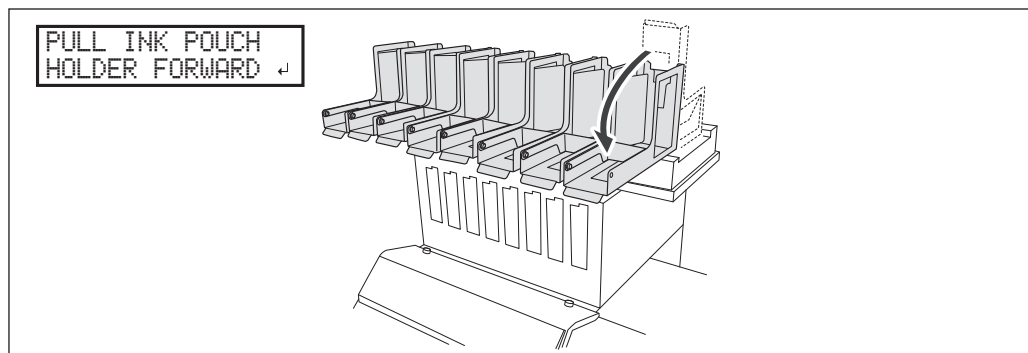
5



6 Press **ENTER**.

5. Set the subtank cartridges.

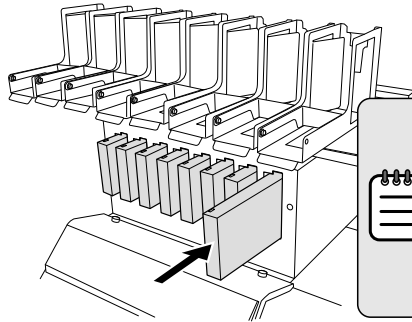
1



2 Press **ENTER**.

3

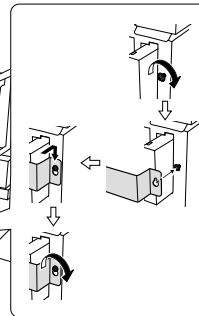
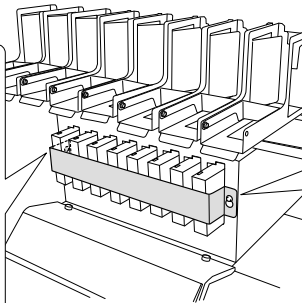
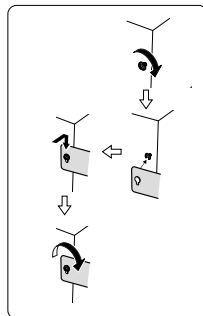
SET SUBTANK
12345678



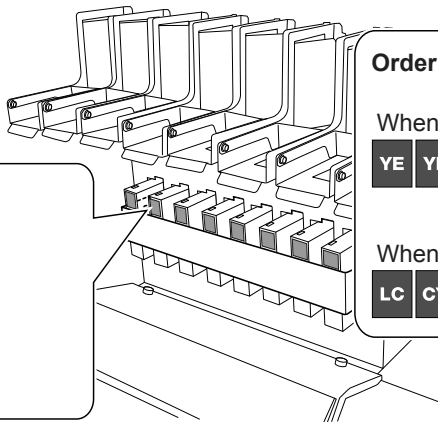
Any subtank can be inserted in any slot. Install a subtank in every slot by inserting each one firmly as far as it will go.

4

SET SUBTANK
GUARD ←



5



Order of ink color labels

When using four colors

YE YE CY CY BK BK MG MG

When using eight colors

LC CY LM MG YE BK OR VI

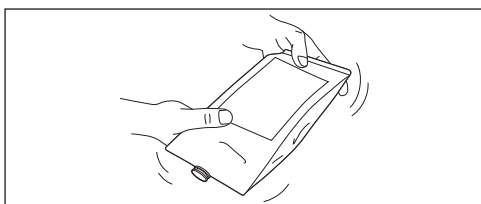
6 Press **ENTER**.

INK SYSTEM ERROR

If there is air left in a subtank at this stage, an error occurs, the message in the illustration is displayed on the screen, and the machine stops. Switch off the sub power, and redo the ink filling procedure from the start.

6. Filling with Ink.

1



Shake the ink pouch for each color gently.

The precipitation of the ingredients in the ink disables printing in normal color.

*Be sure to use new ink cartridges.

*Never, under any circumstances, use anything other than the specified type of ink.

IMPORTANT!

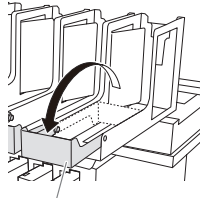
Precautions regarding subsequent work

- Take care not to drop ink pouches.
- When working, move the ink pouch holders slowly. Ink may leak if the ink pouch holder is subjected to a strong shock, for example if you let go of it partway through.

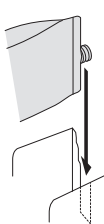
2

SET INK POUCH
12345678

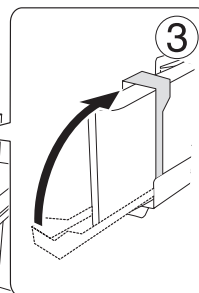
1



2



3

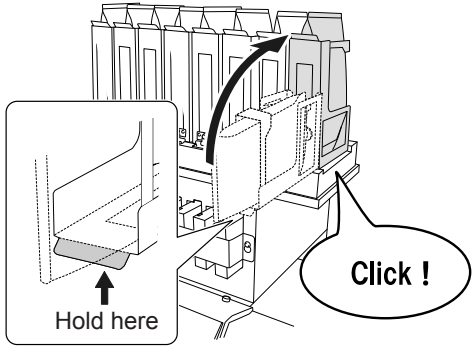


- Take care to install ink pouches of the correct color. If an ink pouch of the wrong color is installed, color mixing may occur. In the event you install an ink pouch of the wrong color, contact your authorized Roland DG Corp. dealer.
- Never touch the area around the ink filling port. Touching this area accidentally may force air into the ink path and cause a malfunction.
- Take care not to crush the ink pouch when engaging the stopper.

3 Press **ENTER**.

4

RAISE INK POUCH
HOLDER ↵



! Do not let go of the ink pouch holders when lifting them. Raise the holders slowly until they click firmly into place. Ink will leak if the ink pouch holder is not returned to the correct position.

5 Press **ENTER**.
Filling ink takes about 20 minutes.

6

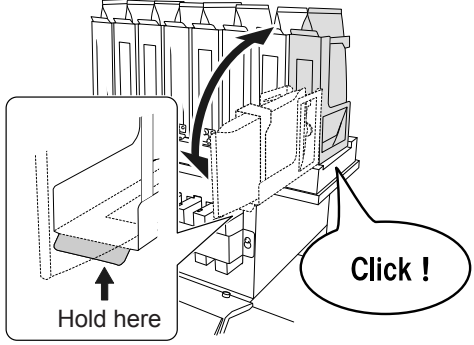
PULL INK POUCH
HOLDER FORWARD ↵

When the screen on the left is displayed, lower all the ink pouch holders and press **ENTER.**
Lower the ink pouch holders slowly without letting go of them.

7

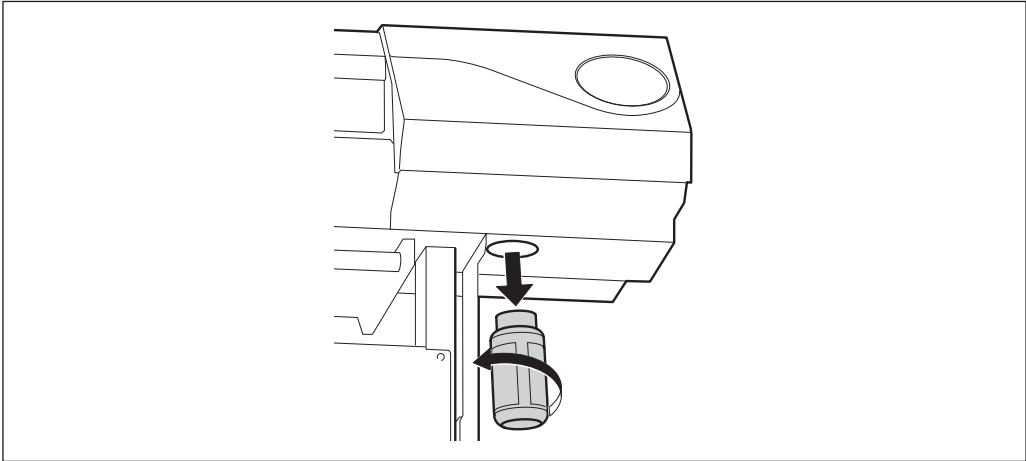
RAISE INK POUCH
HOLDER ↵

When the screen on the left is displayed, raise all the ink pouch holders and press **ENTER.**



! Lower and raise the ink pouch holders slowly without letting go of them. When raising the holders, raise them until they click firmly into place. Ink will leak if the ink pouch holder is not returned to the correct position.

- 8 Detach the drain bottle, discard the discharged fluid to empty it.**



⚠ CAUTION

Before you detach the drain bottle, be sure to wait for the screen to display "EMPTY DRAIN BOTTLE."

Failing to follow this procedure may cause discharged fluid to flow out of the tube and spill, soiling your hands or the floor.

⚠ WARNING

Never put discharged fluid or ink closed to fire.

Doing so may cause the blaze.

⚠ CAUTION

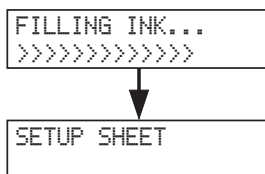
To store discharged fluid temporarily, keep it in the provided drain bottle or in a durable container such as a metal can or polyethylene tank, and close the cap tightly.

Any spillage or vapor leakage make cause fire, odor, or physical distress.

Dispose discharged fluid properly, in accordance with the laws in effect in your local.

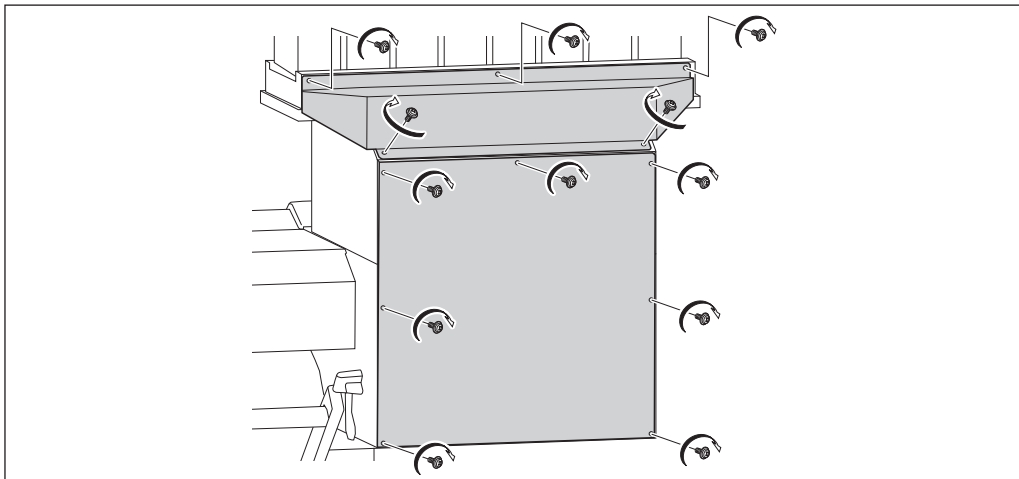
Discharged fluid contains toxic ingredients. Never attempt to incinerate discharged fluid or discard it with ordinary trash. Also, do not dispose of it in sewer systems, rivers, or streams. Doing so may have an adverse impact on the environment.

- 9 Attach the drain bottle, and then press .**



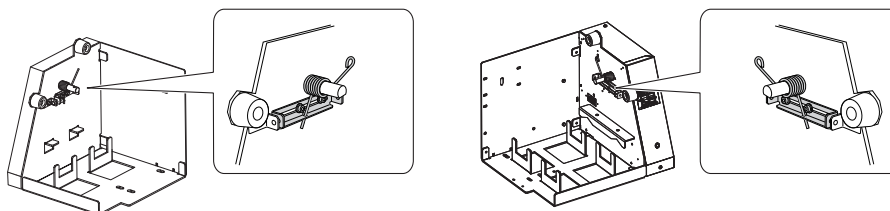
When this screen appears, filling with ink is finished.

10



After this, the next step is to adjust the feed adjusters. This procedure will be performed by a Roland DG service technician, so leave it up to them.

- For information on how to install the take-up system, refer to the take-up system user's manual.
- If using the TUC-3, it is necessary to make adjustments by removing springs and other parts from the control box and frame of the TUC-3. For details, refer to the TUC-3 User's Manual. For details, refer to TUC-3 documentation.
- It is recommended that you use the BACKWARD setting when using the take-up unit with the machine.



6. Network Settings

Memo

The examples used in the procedures for making the settings described in this section assume you are using one computer and one machine. The settings used in this section are merely example settings. The procedures and setting values described here may not be suitable for all operating environments.

If the computer you're using is connected to a number of networked devices or to the Internet, incorrect settings may adversely affect the entire network. For detailed information about the settings, consult your network administrator.

Step 1: Make the Network Settings for the Computer

1 Log on to Windows as an "Administrator" or a member of the "Administrators" group.

2 Windows 8.1 :

From the [Start] menu, click [PC Setting], and click [Control Panel].
Click [Network and Internet], and then click [Network and Sharing Center].
Click the [Ethernet].

Windows 8 :

Right-click in a blank area of the Start screen, and at the bottom right of the screen, click [All apps].

Click [Control Panel].

Click [Network and Internet], and then click [Network and Sharing Center].

Click the [Ethernet].

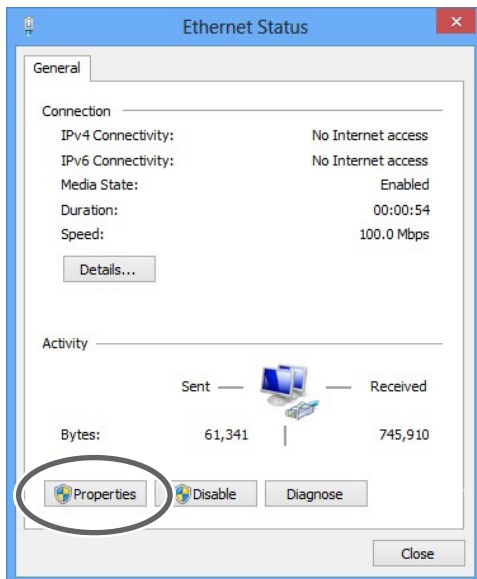
Windows 7 :

From the [Start] menu, click [Control Panel].

Click [Network and Internet], and then click [Network and Sharing Center].

Click the [Local Area Connections].

3

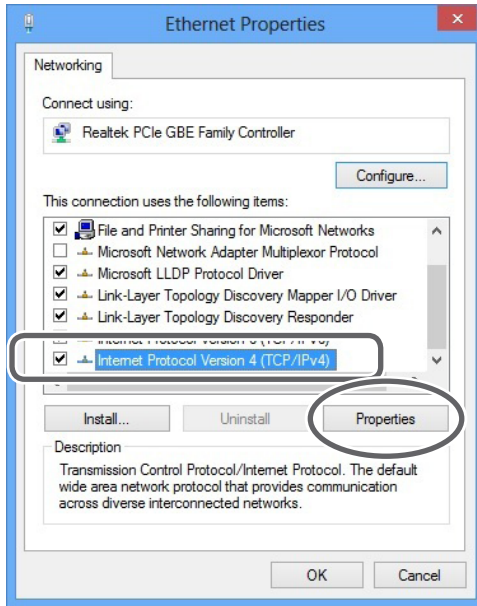


Click [Properties].

The [Ethernet Properties] dialog box will appear. (Windows 7; the [Local Area Connection Properties] dialog box will appear.)

Click [Allow] when the [User Account Control] dialog box appears.

4

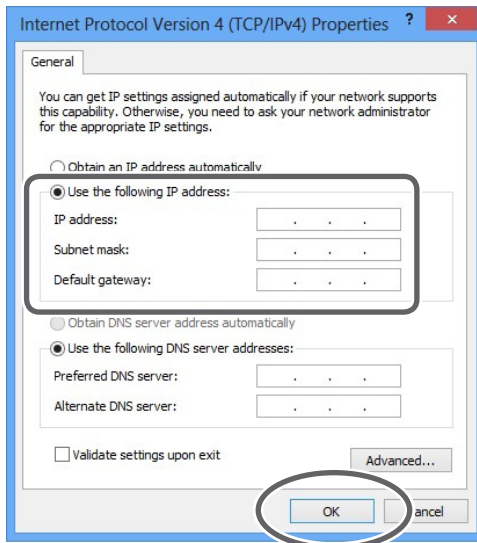


Select **[Internet Protocol Version 4 (TCP/IPv4)]** and then click **[Properties]**.

If the check box for [Internet Protocol] is unselected, then click and check the box.

The [Internet Protocol Version 4(TCP/IPv4)] dialog box will appear.

5



Select **[Use the following IP address]**. Enter the information as shown below, and then **[OK]**.

[IP address]: 192.168.0.XXX

[Subnet mask]: 255.255.255.0

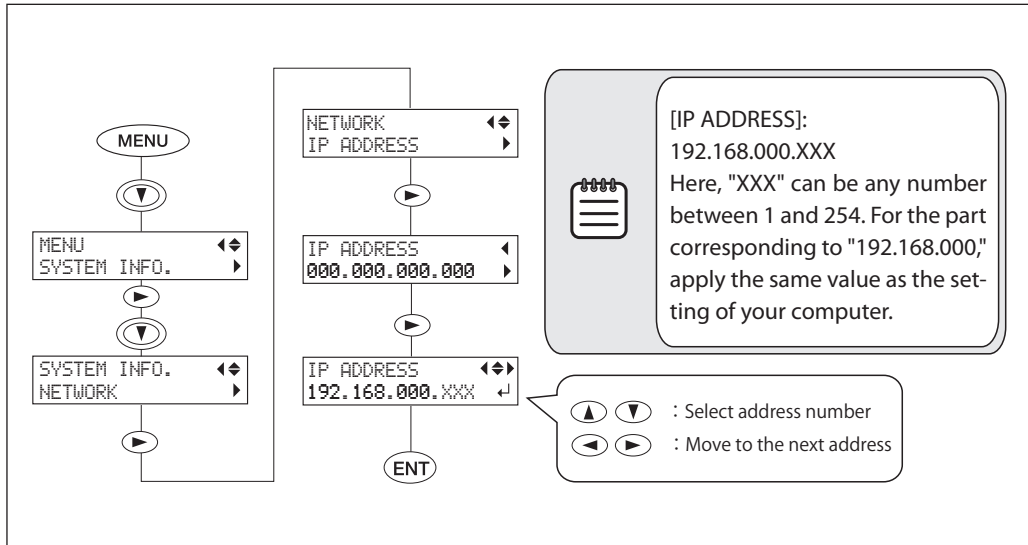
Here, "XXX" can be any number between 1 and 254. However, be sure to avoid the numbers overlapping with those for other computers or devices.

6

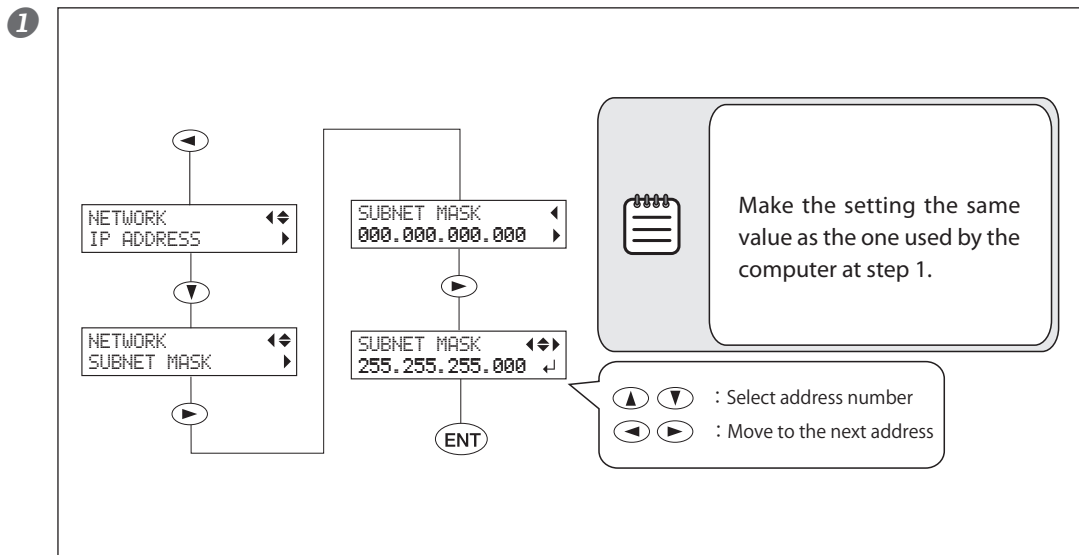
Click **[OK]** in the **[Internet Protocol Version 4(TCP/IPv4)]** dialog box, click **[OK]** in the **[Ethernet Properties]** dialog box (Windows 7; in the **[Local Area Connection Properties]** dialog box), and then click **[Close]** in the **[Ethernet Status]** dialog box (Windows 7; in the **[Local Area Connection Status]** dialog box).

Step 2: Make the Network Settings on the Machine

1. Set the IP address.



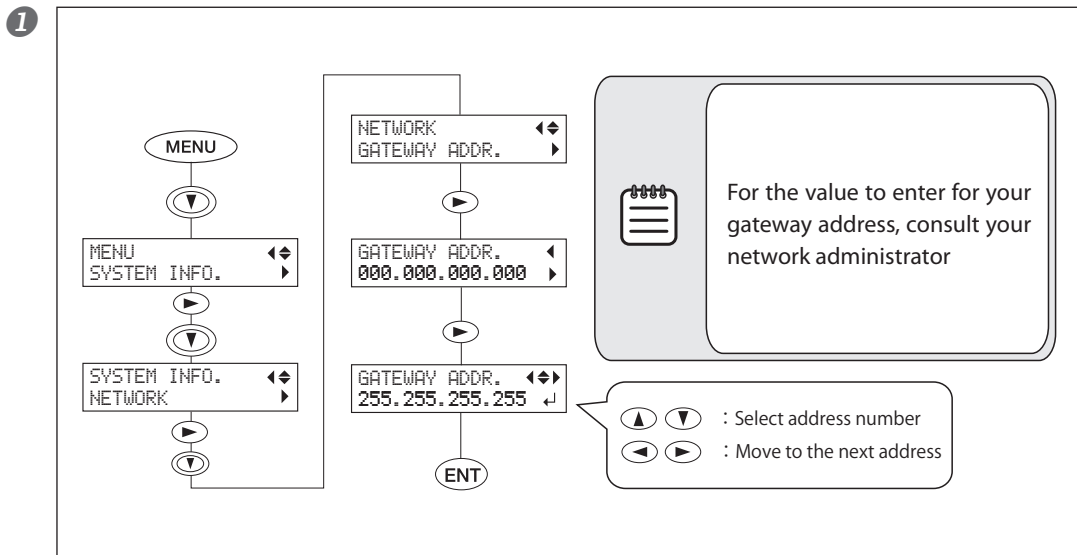
2. Set the subnet mask.



2 Press **MENU** to go back to the original screen.

If you use the computer and the machine one-on-one basis, this will complete the settings to make on the machine. Go on to Step 3. If you need to set the gateway address, then go on to the procedure following this one.

3. Set the gateway address.



2 Press **MENU** to go back to the original screen.

Step 3: Make the Port Settings for the Software RIP

The settings for the software RIP will be made here. For the setup procedures, refer to the documentation of the instructions for the software RIP.

Confirming that a network connection has been established

Roland VersaWorks

You can check whether the connection to the network has been complete by using the printing-test feature. For the information on the method to conduct a printing test, refer to the documentation for the Roland VersaWorks

Other software RIP

Refer to the documentation for the software RIP of your own.





1000012754

R1-141107